

Supplementary Document 5

Shift-Share Analysis: Mississippi, 2005 - 2018

**Prepared for the Appalachian Regional Commission by the
West Virginia University Regional Research Institute**

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11-Jun-2020

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Chapter 1. Alcorn County, Mississippi

Employment in Alcorn County, Mississippi, grew from 14,204 in 2005 to 14,282 in 2018, for a change of 78, or 0.55%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Alcorn County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	1,601	-1,524	-1,053	-471
vs. Appalachia	46	33	-679	712
vs. Neighbors	-1,528	1,614	-319	1,933

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Alcorn County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 1. Alcorn County, Mississippi

Industry Group Membership for Alcorn County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
40	Warehousing and storage	E I a i	no	yes	yes	yes
49	Real estate	F I a i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II b ii	yes	yes	yes	yes
59	Hospitals	E II a iii	no	yes	yes	yes
61	Social assistance	B V e ii	yes	no	no	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Alcorn County, Mississippi vs. the United States

Groups a, b, and c are from Alcorn County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Alcorn County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Alcorn County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Alcorn County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Alcorn County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Alcorn County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

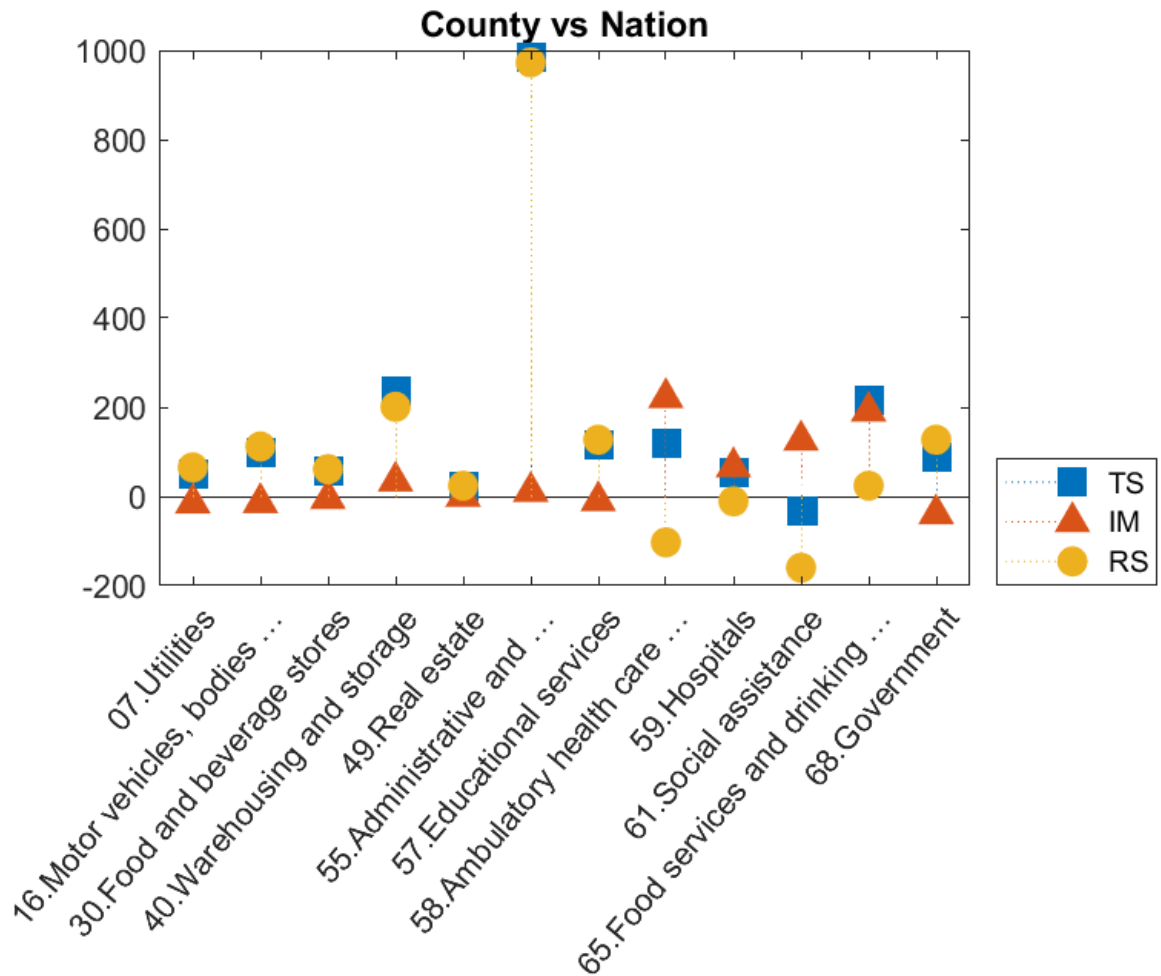
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Alcorn County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Alcorn County, Mississippi vs the U.S.

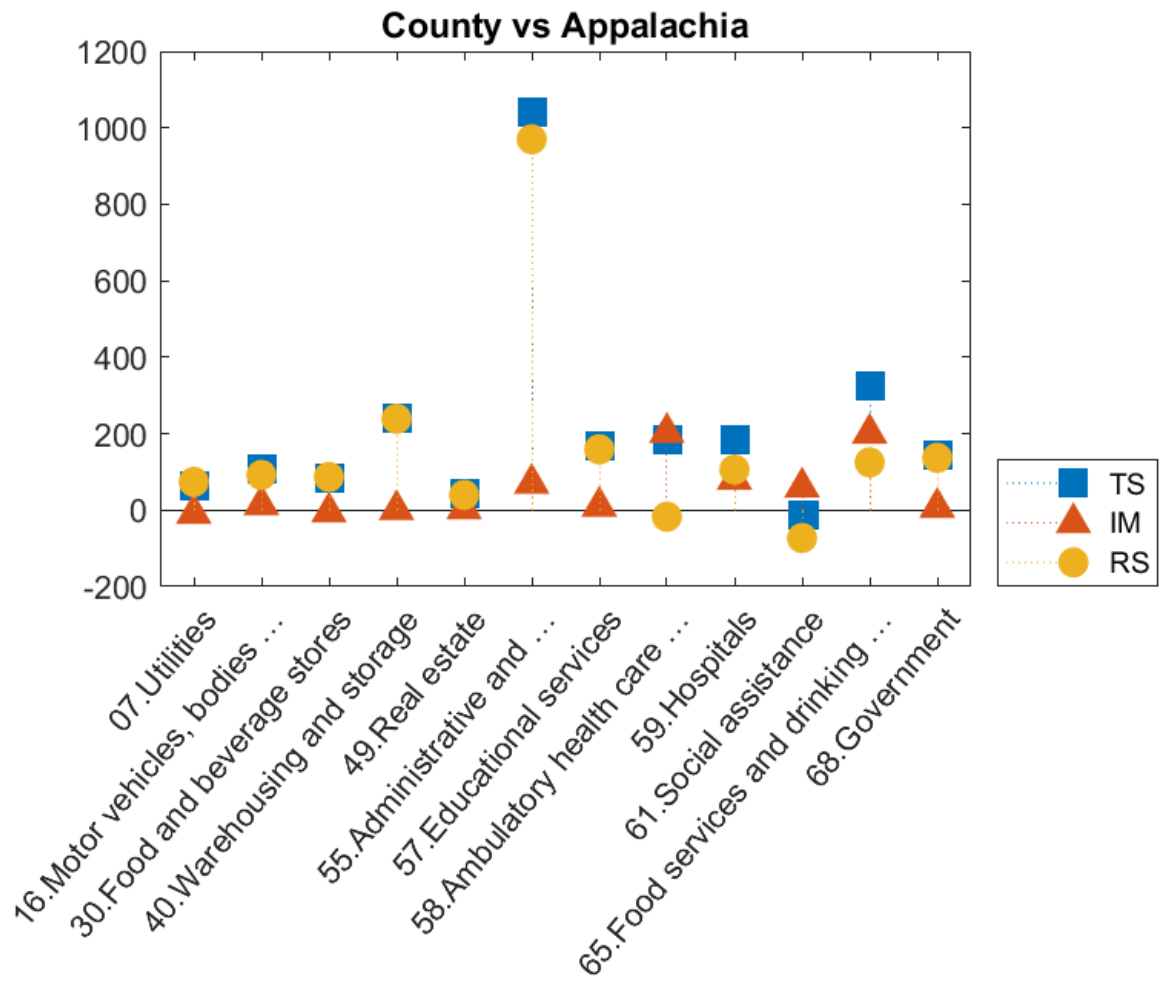


Chapter 1. Alcorn County, Mississippi

Alcorn County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	16	50	-15	65	208
16	Motor vehicles, bodies ...	8	98	-14	112	176
30	Food and beverage stores	27	56	-5	61	325
40	Warehousing and storage	5	235	34	201	280
49	Real estate	20	24	-0	24	220
55	Administrative and ...	58	984	11	973	1,553
57	Educational services	53	117	-10	127	643
58	Ambulatory health care ...	71	118	221	-103	819
59	Hospitals	134	55	66	-11	1,380
61	Social assistance	22	-34	126	-160	180
65	Food services and drinking ...	113	215	191	24	1,333
68	Government	58	88	-39	127	659

Selected SSA Components for Alcorn County, Mississippi vs the Appalachian Region

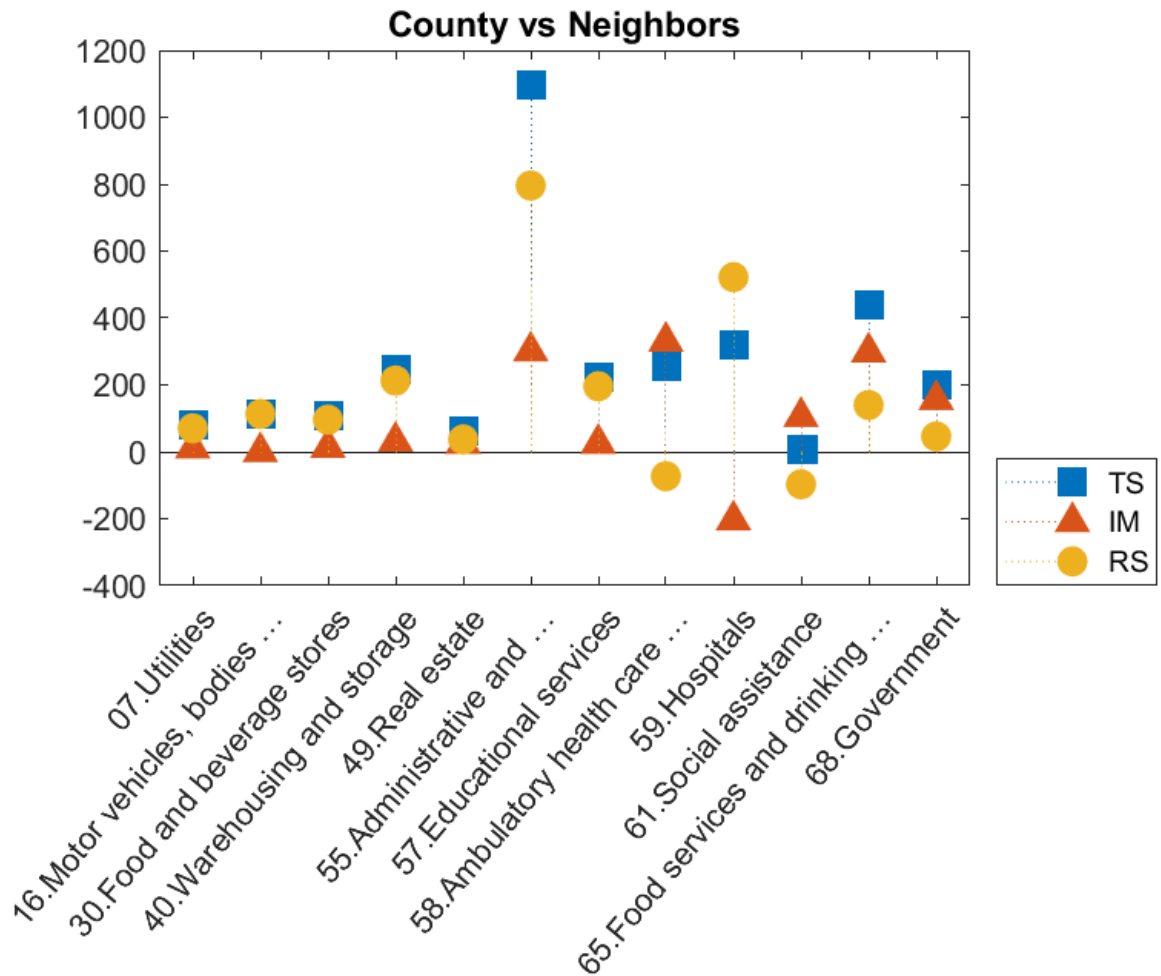


Chapter 1. Alcorn County, Mississippi

Selected SSA Components for Alcorn County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	65	-9	74	208
16	Motor vehicles, bodies ...	0	106	14	92	176
30	Food and beverage stores	1	82	-5	87	325
40	Warehousing and storage	0	240	1	239	280
49	Real estate	1	43	3	40	220
55	Administrative and ...	2	1,040	70	970	1,553
57	Educational services	2	169	10	159	643
58	Ambulatory health care ...	2	186	203	-17	819
59	Hospitals	4	186	80	106	1,380
61	Social assistance	1	-13	60	-73	180
65	Food services and drinking ...	3	326	201	125	1,333
68	Government	2	144	7	137	659

Selected SSA Components for Alcorn County, Mississippi vs Neighbors



Chapter 1. Alcorn County, Mississippi

Selected SSA Components for Alcorn County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	-15	81	11	70	208
16	Motor vehicles, bodies ...	-7	113	0	113	176
30	Food and beverage stores	-26	109	13	96	325
40	Warehousing and storage	-4	244	31	213	280
49	Real estate	-19	62	25	37	220
55	Administrative and ...	-55	1,097	301	796	1,553
57	Educational services	-51	221	25	196	643
58	Ambulatory health care ...	-68	257	330	-73	819
59	Hospitals	-128	318	-204	522	1,380
61	Social assistance	-21	8	105	-97	180
65	Food services and drinking ...	-108	438	298	140	1,333
68	Government	-55	202	156	46	659

Chapter 2. Benton County, Mississippi

Employment in Benton County, Mississippi, declined from 1,362 in 2005 to 966 in 2018, for a change of -396, or -29.07%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Benton County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	156	-547	-79	-468
vs. Appalachia	2	-397	-26	-371
vs. Neighbors	-6	-386	285	-671

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Benton County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 2. Benton County, Mississippi

Industry Group Membership for Benton County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F I a i	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
18	Furniture and related ...	F III c iii	no	yes	yes	yes
31	General merchandise ...	F I a i	no	yes	yes	yes
37	Transit and ground ...	E I c iii	no	yes	yes	yes
51	Legal services	F III c iii	no	yes	yes	yes
58	Ambulatory health care ...	B II b ii	yes	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Benton County, Mississippi vs. the United States

Groups a, b, and c are from Benton County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Benton County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Benton County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Benton County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Benton County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Benton County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

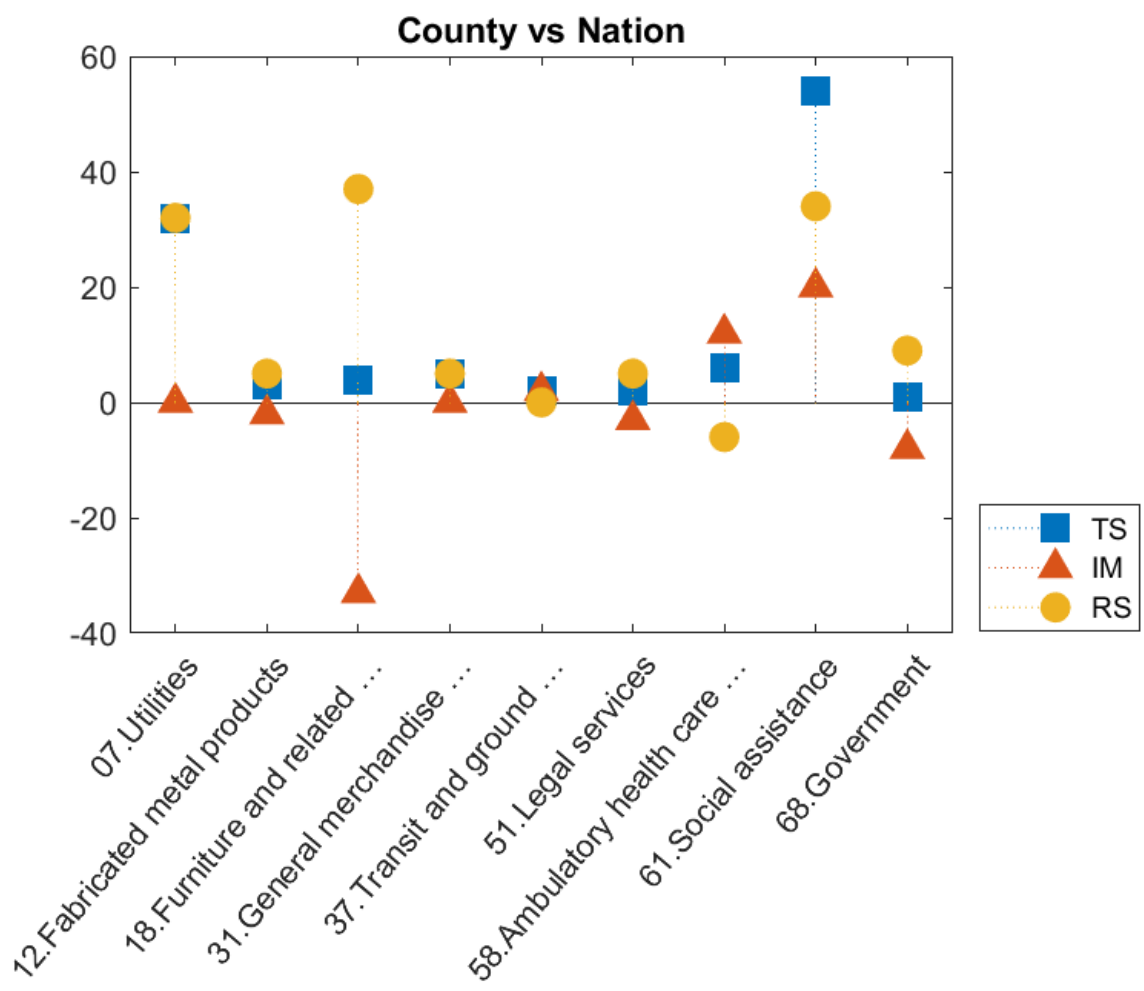
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Benton County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Benton County, Mississippi vs the U.S.

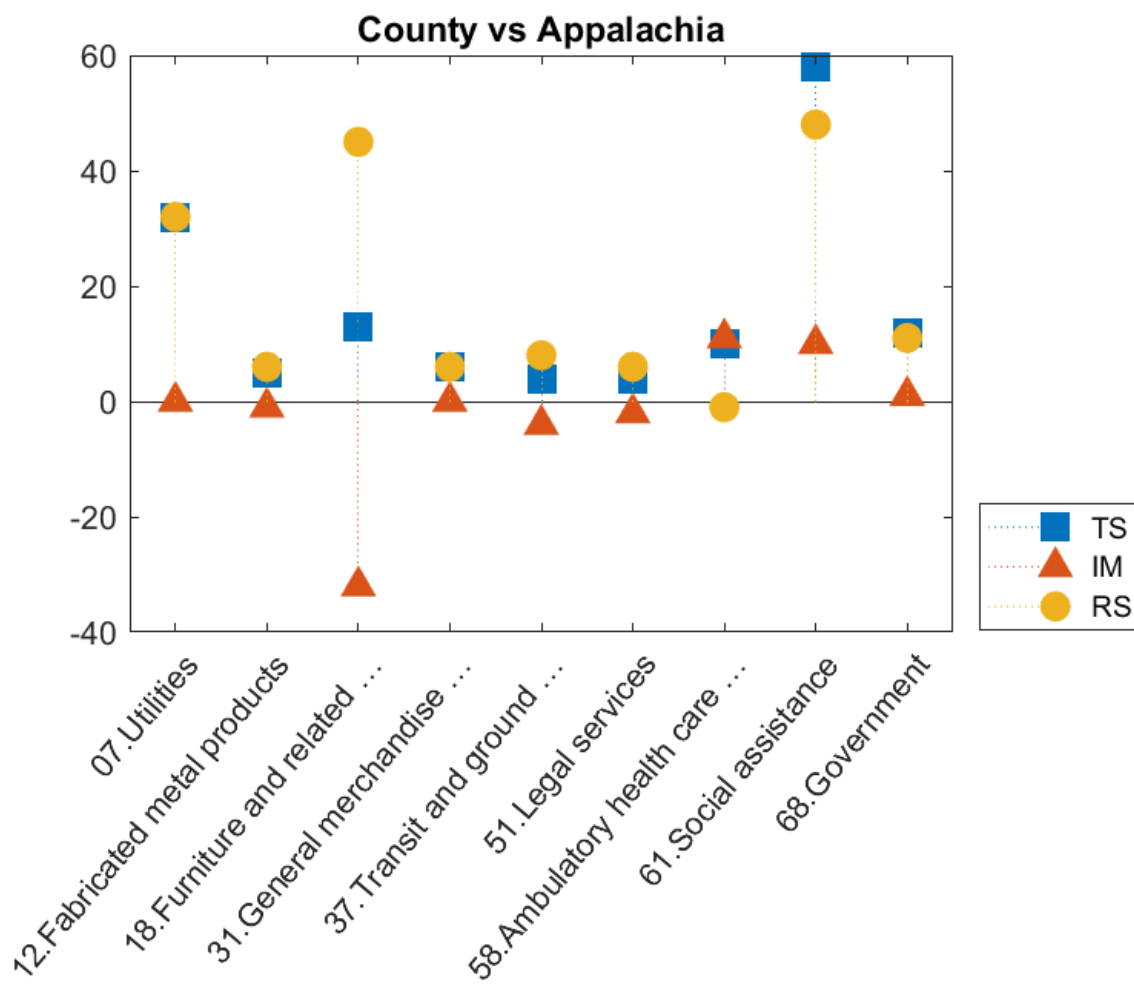


Chapter 2. Benton County, Mississippi

Benton County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	32	0	32	32
12	Fabricated metal products	2	3	-2	5	21
18	Furniture and related ...	9	4	-33	37	92
31	General merchandise ...	1	5	-0	5	13
37	Transit and ground ...	2	2	2	0	22
51	Legal services	2	2	-3	5	24
58	Ambulatory health care ...	4	6	12	-6	43
61	Social assistance	4	54	20	34	89
68	Government	12	1	-8	9	122

Selected SSA Components for Benton County, Mississippi vs the Appalachian Region

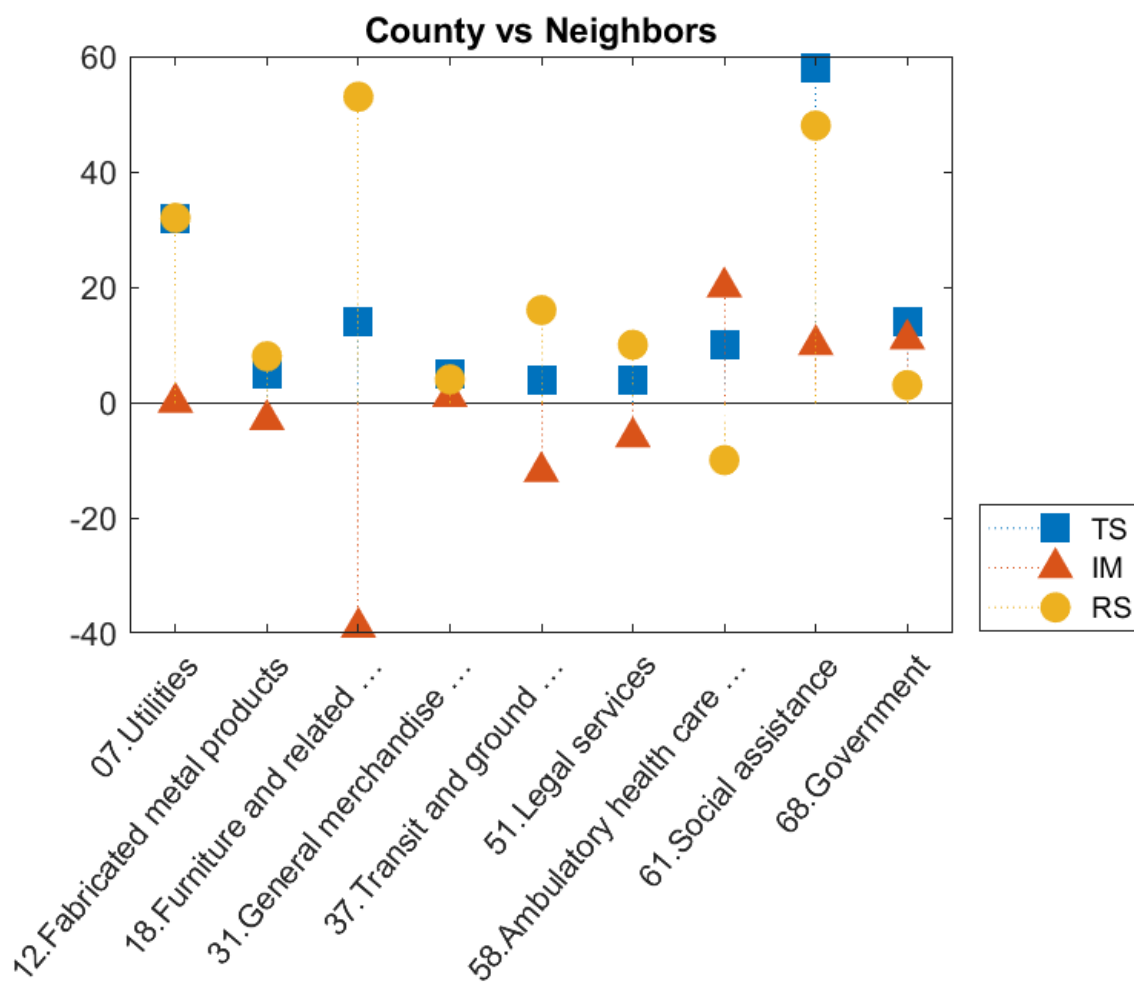


Chapter 2. Benton County, Mississippi

Selected SSA Components for Benton County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	32	0	32	32
12	Fabricated metal products	0	5	-1	6	21
18	Furniture and related ...	0	13	-32	45	92
31	General merchandise ...	0	6	-0	6	13
37	Transit and ground ...	0	4	-4	8	22
51	Legal services	0	4	-2	6	24
58	Ambulatory health care ...	0	10	11	-1	43
61	Social assistance	0	58	10	48	89
68	Government	0	12	1	11	122

Selected SSA Components for Benton County, Mississippi vs Neighbors



Chapter 2. Benton County, Mississippi

Selected SSA Components for Benton County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	-0	32	0	32	32
12	Fabricated metal products	-0	5	-3	8	21
18	Furniture and related ...	-1	14	-39	53	92
31	General merchandise ...	-0	5	1	4	13
37	Transit and ground ...	-0	4	-12	16	22
51	Legal services	-0	4	-6	10	24
58	Ambulatory health care ...	-0	10	20	-10	43
61	Social assistance	-0	58	10	48	89
68	Government	-1	14	11	3	122

Chapter 3. Calhoun County, Mississippi

Employment in Calhoun County, Mississippi, declined from 3,883 in 2005 to 3,204 in 2018, for a change of -679, or -17.49%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Calhoun County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	437	-1,115	-545	-570
vs. Appalachia	11	-694	-595	-99
vs. Neighbors	109	-788	-416	-372

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Calhoun County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 3. Calhoun County, Mississippi

Industry Group Membership for Calhoun County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F III a ii	no	yes	yes	yes
02	Forestry, fishing, and ...	E I c iii	no	yes	yes	yes
07	Utilities	F III c i	no	yes	yes	yes
20	Food and beverage ...	E I a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
31	General merchandise ...	F III c i	no	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Calhoun County, Mississippi vs. the United States

Groups a, b, and c are from Calhoun County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Calhoun County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Calhoun County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Calhoun County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Calhoun County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Calhoun County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

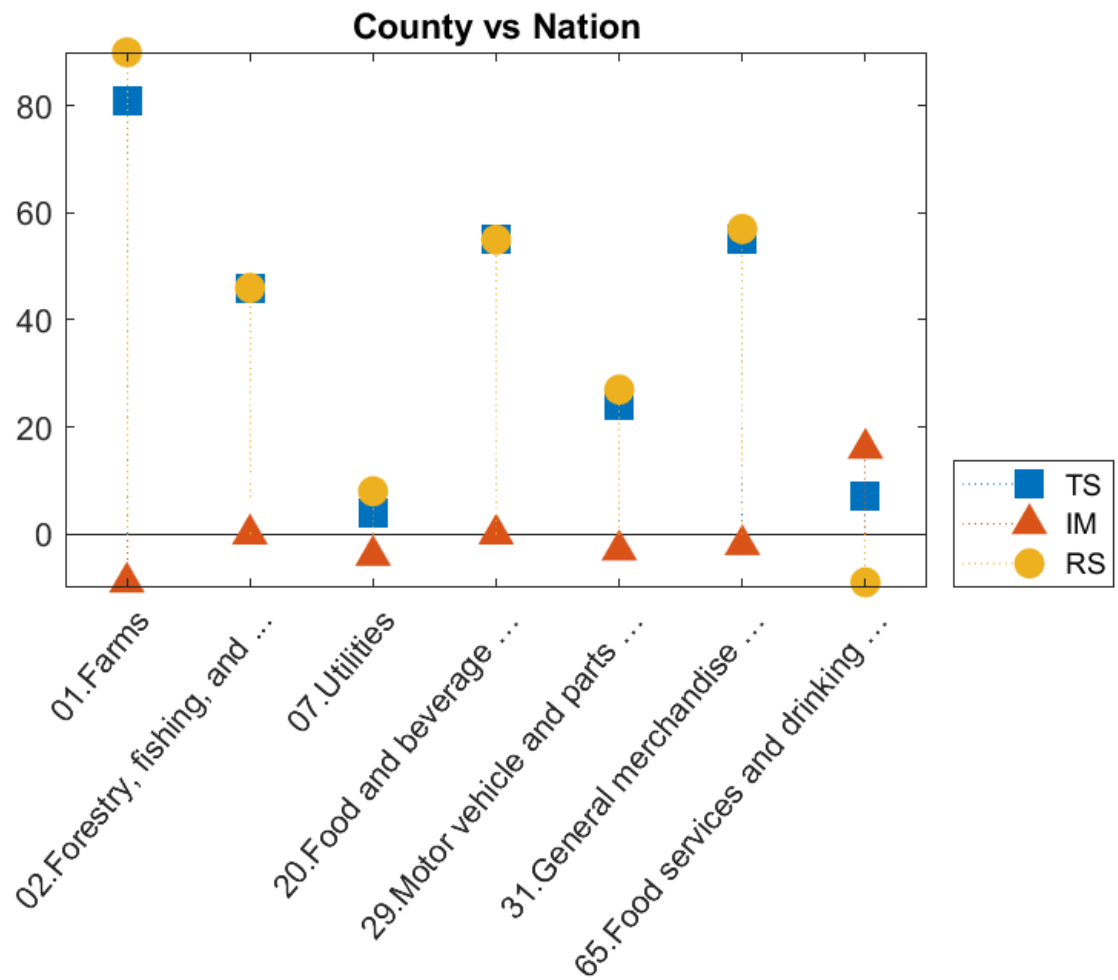
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Calhoun County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Calhoun County, Mississippi vs the U.S.

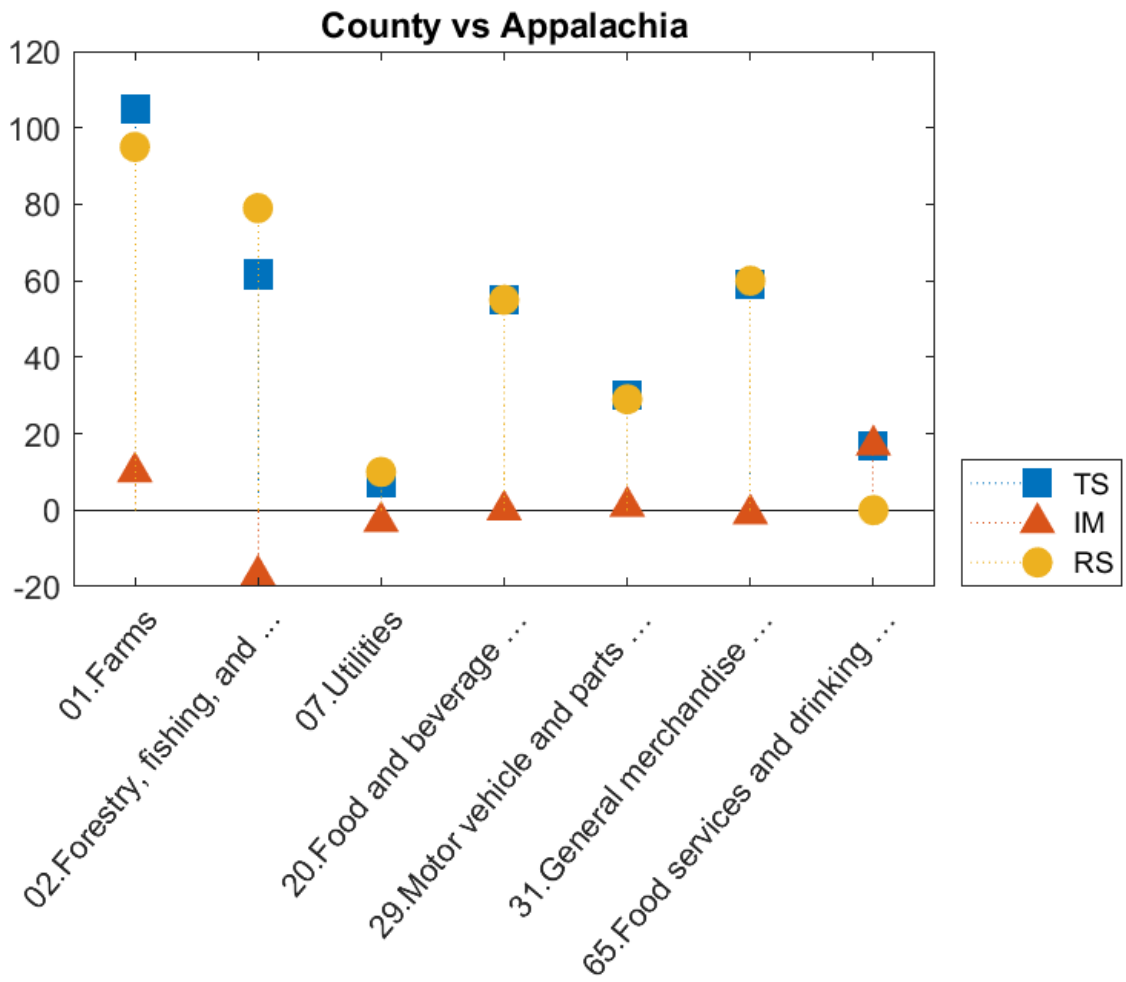


Chapter 3. Calhoun County, Mississippi

Calhoun County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	24	81	-9	90	319
02	Forestry, fishing, and ...	16	46	0	46	203
07	Utilities	5	4	-4	8	50
20	Food and beverage ...	0	55	0	55	55
29	Motor vehicle and parts ...	6	24	-3	27	84
31	General merchandise ...	3	55	-2	57	87
65	Food services and drinking ...	10	7	16	-9	103

Selected SSA Components for Calhoun County, Mississippi vs the Appalachian Region

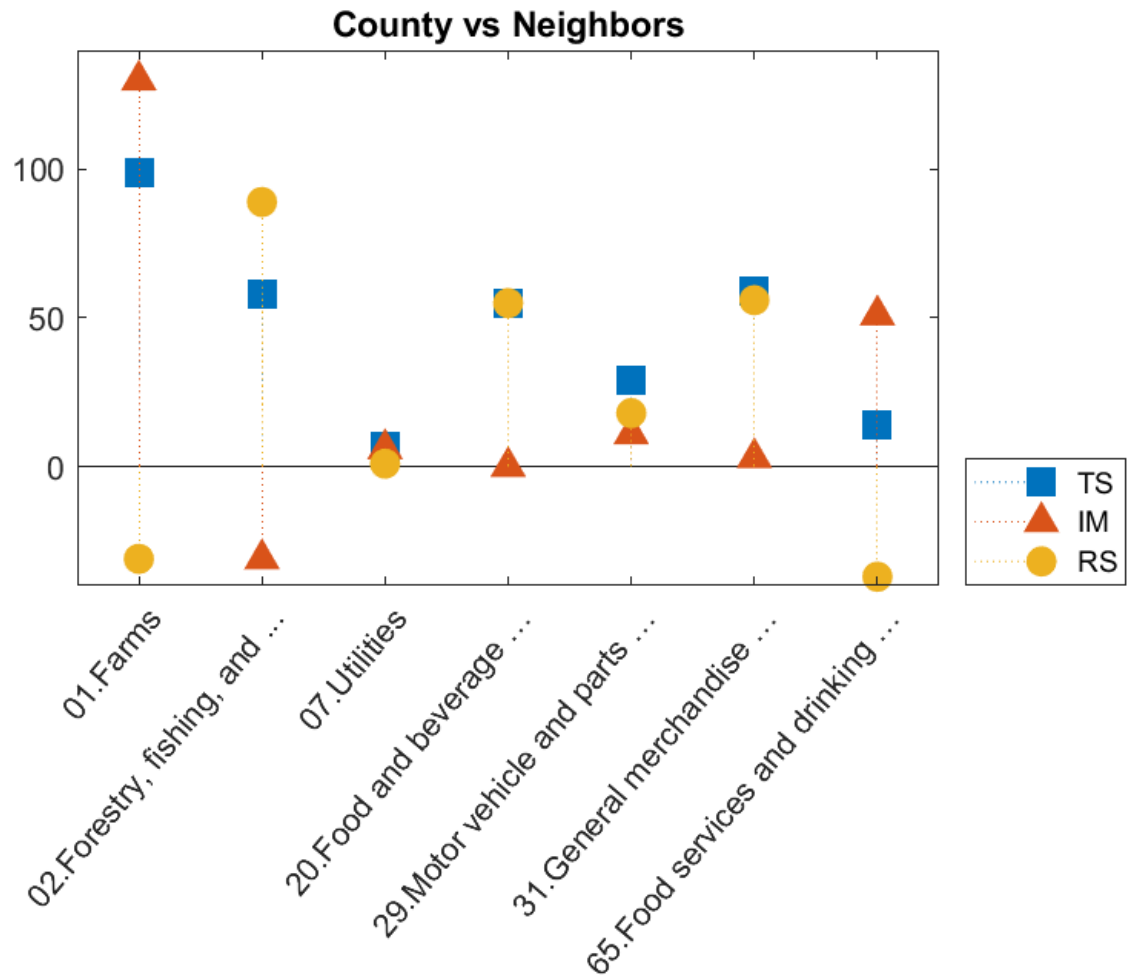


Chapter 3. Calhoun County, Mississippi

Selected SSA Components for Calhoun County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	1	105	10	95	319
02	Forestry, fishing, and ...	0	62	-17	79	203
07	Utilities	0	7	-3	10	50
20	Food and beverage ...	0	55	0	55	55
29	Motor vehicle and parts ...	0	30	1	29	84
31	General merchandise ...	0	59	-1	60	87
65	Food services and drinking ...	0	17	17	-0	103

Selected SSA Components for Calhoun County, Mississippi vs Neighbors



Chapter 3. Calhoun County, Mississippi

Selected SSA Components for Calhoun County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	6	99	130	-31	319
02	Forestry, fishing, and ...	4	58	-31	89	203
07	Utilities	1	7	6	1	50
20	Food and beverage ...	0	55	0	55	55
29	Motor vehicle and parts ...	2	29	11	18	84
31	General merchandise ...	1	59	3	56	87
65	Food services and drinking ...	2	14	51	-37	103

Chapter 4. Chickasaw County, Mississippi

Employment in Chickasaw County, Mississippi, declined from 6,783 in 2005 to 5,417 in 2018, for a change of -1,366, or -20.14%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Chickasaw County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	762	-2,131	-1,222	-909
vs. Appalachia	19	-1,388	-1,157	-231
vs. Neighbors	-327	-1,036	-318	-718

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Chickasaw County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 4. Chickasaw County, Mississippi

Industry Group Membership for Chickasaw County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F III a ii	no	yes	yes	yes
27	Plastics and rubber prod...	D III a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
32	Other retail	F III c i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Chickasaw County, Mississippi vs. the United States

Groups a, b, and c are from Chickasaw County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Chickasaw County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Chickasaw County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Chickasaw County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Chickasaw County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Chickasaw County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

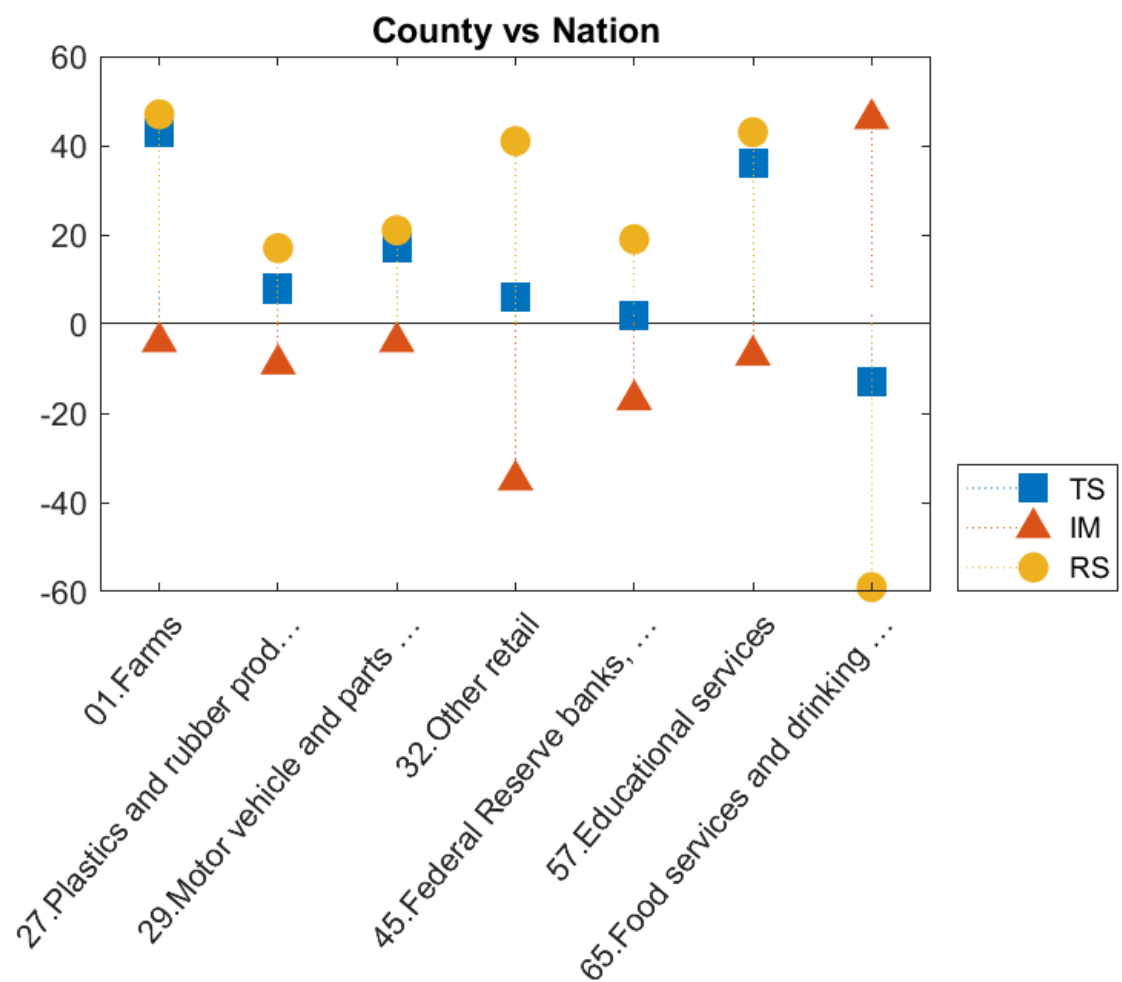
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Chickasaw County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Chickasaw County, Mississippi vs the U.S.

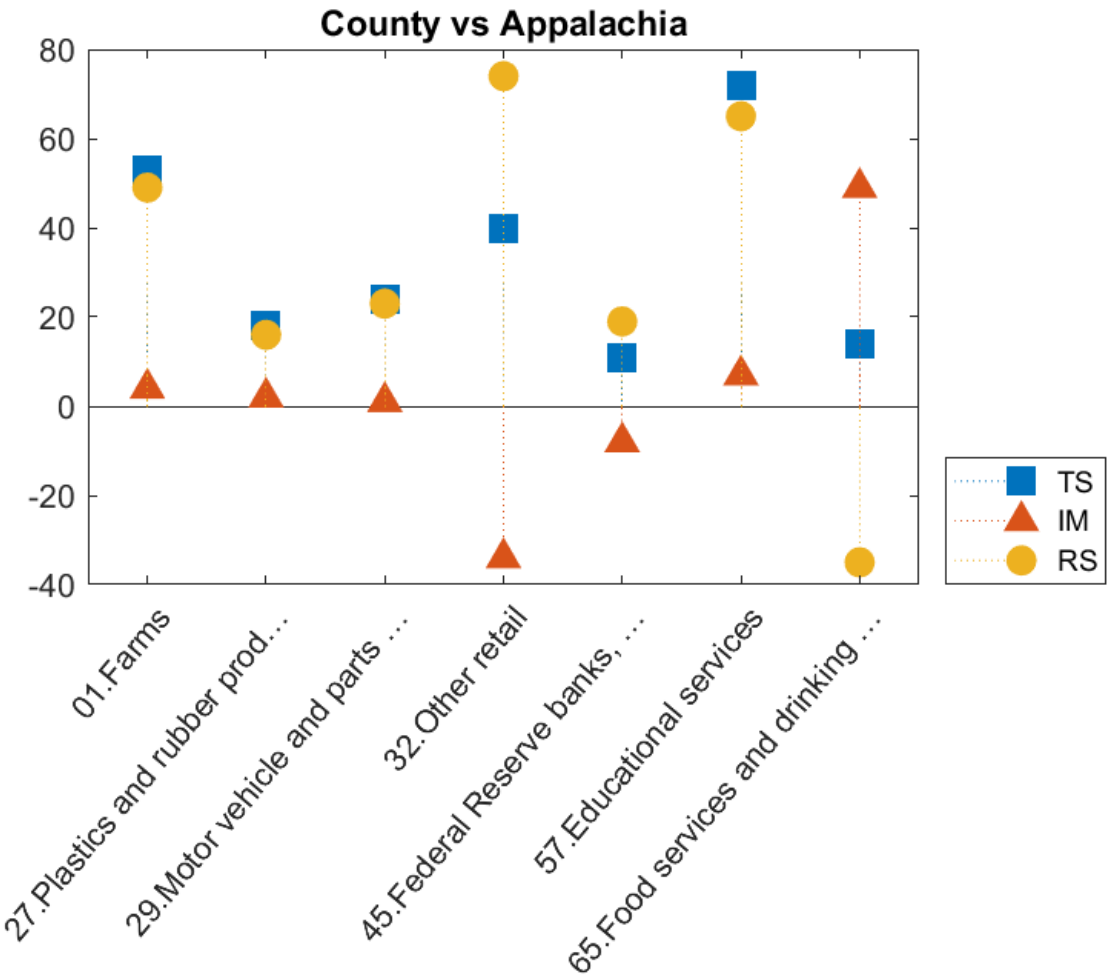


Chapter 4. Chickasaw County, Mississippi

Chickasaw County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	10	43	-4	47	139
27	Plastics and rubber prod...	9	8	-9	17	99
29	Motor vehicle and parts ...	7	17	-4	21	87
32	Other retail	35	6	-35	41	350
45	Federal Reserve banks, ...	10	2	-17	19	98
57	Educational services	38	36	-7	43	415
65	Food services and drinking ...	27	-13	46	-59	258

Selected SSA Components for Chickasaw County, Mississippi vs the Appalachian Region

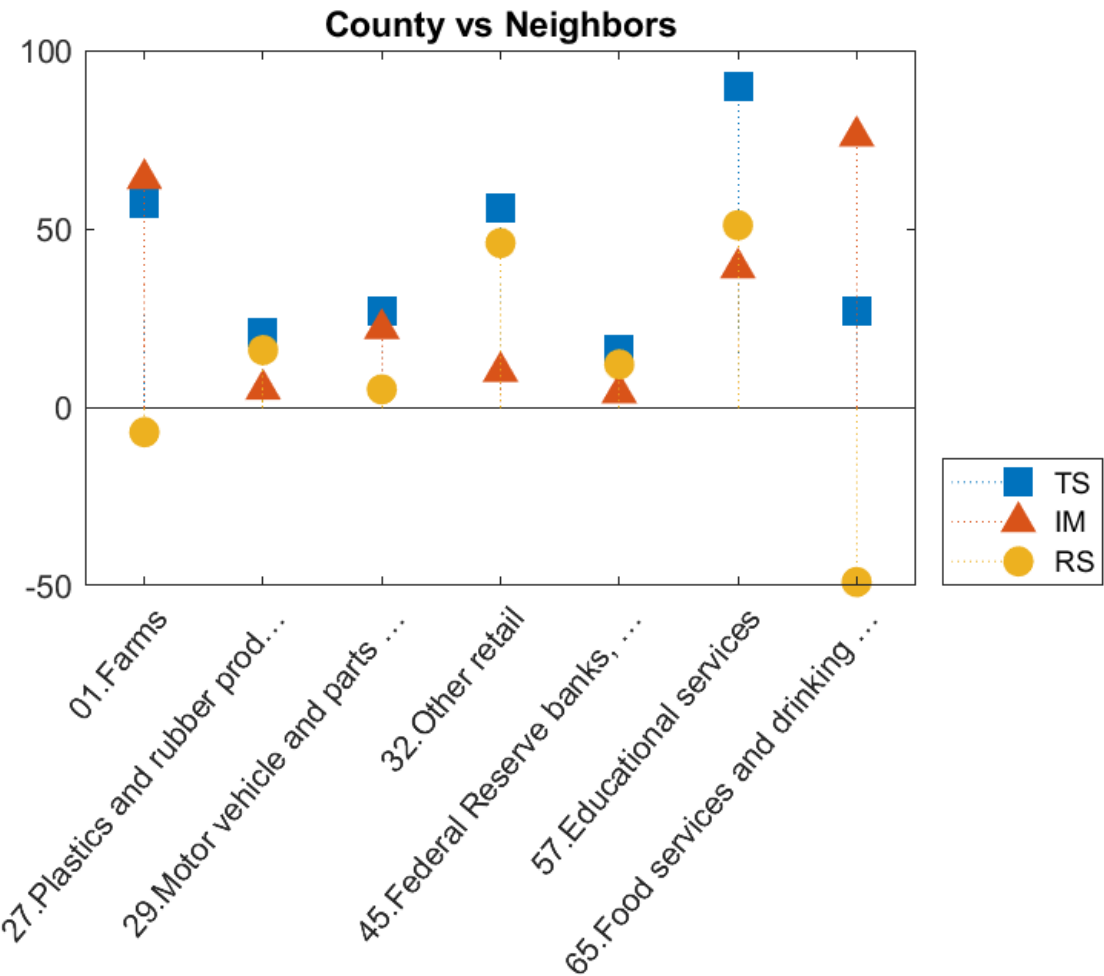


Chapter 4. Chickasaw County, Mississippi

Selected SSA Components for Chickasaw County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	53	4	49	139
27	Plastics and rubber prod...	0	18	2	16	99
29	Motor vehicle and parts ...	0	24	1	23	87
32	Other retail	1	40	-34	74	350
45	Federal Reserve banks, ...	0	11	-8	19	98
57	Educational services	1	72	7	65	415
65	Food services and drinking ...	1	14	49	-35	258

Selected SSA Components for Chickasaw County, Mississippi vs Neighbors



Chapter 4. Chickasaw County, Mississippi

Selected SSA Components for Chickasaw County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	-4	57	64	-7	139
27	Plastics and rubber prod...	-4	21	5	16	99
29	Motor vehicle and parts ...	-3	27	22	5	87
32	Other retail	-15	56	10	46	350
45	Federal Reserve banks, ...	-4	16	4	12	98
57	Educational services	-17	90	39	51	415
65	Food services and drinking ...	-12	27	76	-49	258

Chapter 5. Choctaw County, Mississippi

Employment in Choctaw County, Mississippi, grew from 2,106 in 2005 to 2,219 in 2018, for a change of 113, or 5.37%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Choctaw County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	234	-126	-234	108
vs. Appalachia	6	109	-170	279
vs. Neighbors	-33	148	-127	275

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Choctaw County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 5. Choctaw County, Mississippi

Industry Group Membership for Choctaw County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
02	Forestry, fishing, and ...	E I c i	no	yes	yes	yes
04	Coal Mining	F III c i	no	yes	yes	yes
07	Utilities	F III c i	no	yes	yes	yes
13	Machinery	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a iii	yes	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
43	Broadcasting and telecom ...	F III c i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
61	Social assistance	B II a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Choctaw County, Mississippi vs. the United States

Groups a, b, and c are from Choctaw County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Choctaw County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Choctaw County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Choctaw County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Choctaw County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Choctaw County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

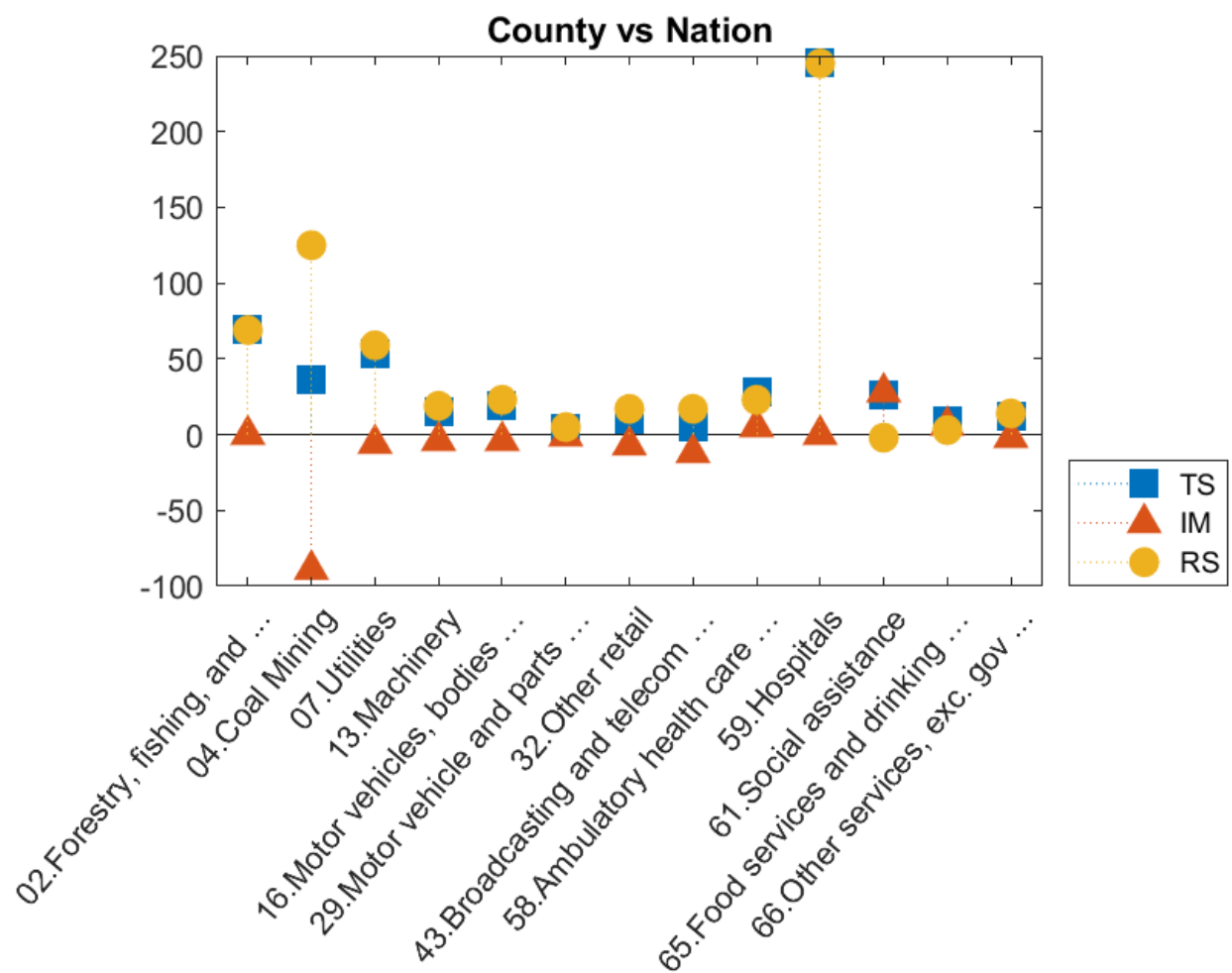
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Choctaw County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Choctaw County, Mississippi vs the U.S.

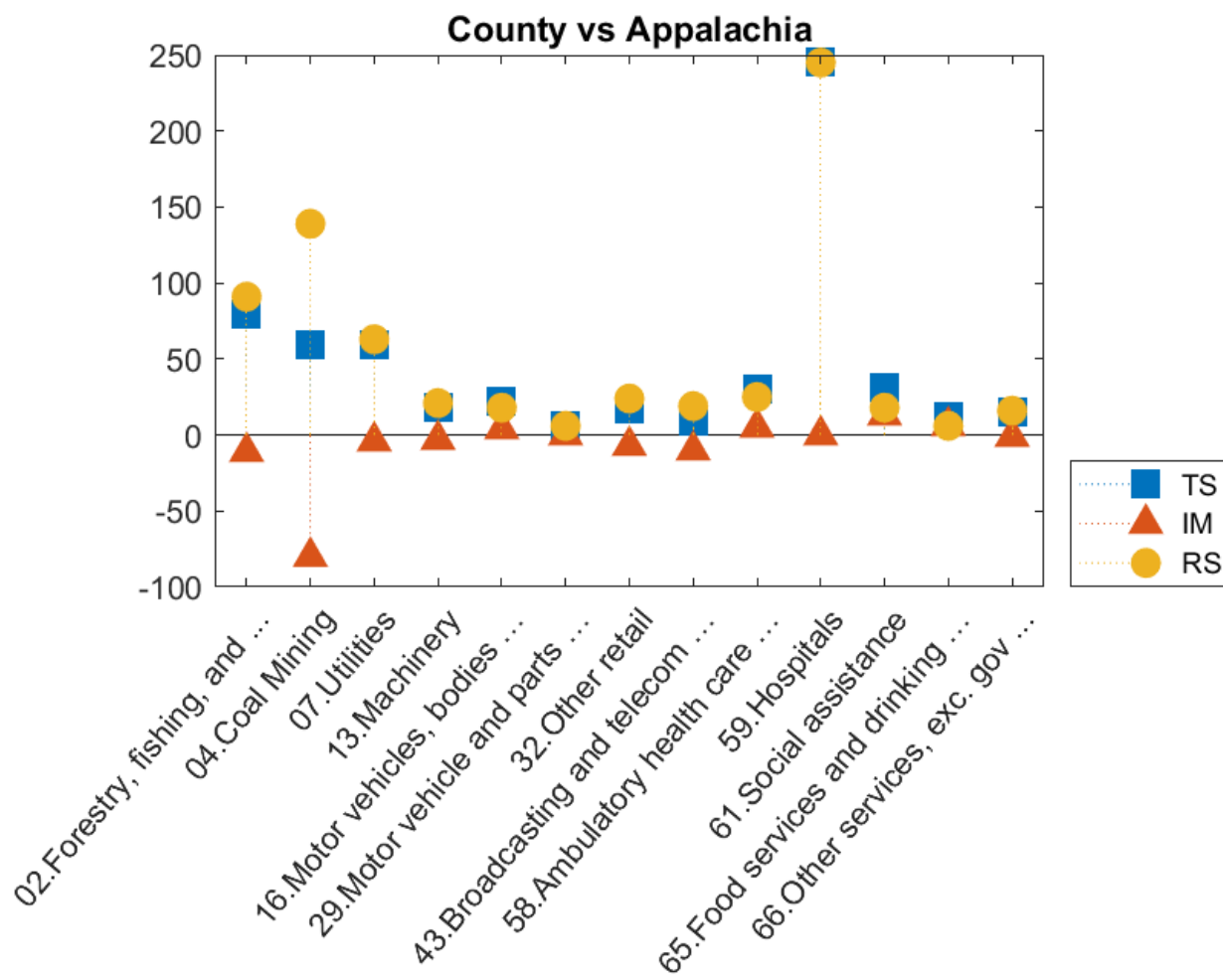


Chapter 5. Choctaw County, Mississippi

Choctaw County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	10	69	0	69	172
04	Coal Mining	24	36	-89	125	268
07	Utilities	7	53	-6	59	120
13	Machinery	3	15	-4	19	42
16	Motor vehicles, bodies ...	2	19	-4	23	41
29	Motor vehicle and parts ...	2	4	-1	5	27
32	Other retail	7	10	-7	17	84
43	Broadcasting and telecom ...	3	5	-12	17	38
58	Ambulatory health care ...	2	28	5	23	44
59	Hospitals	0	245	0	245	245
61	Social assistance	5	26	28	-2	74
65	Food services and drinking ...	4	9	6	3	45
66	Other services, exc. gov ...	3	12	-2	14	46

Selected SSA Components for Choctaw County, Mississippi vs the Appalachian Region

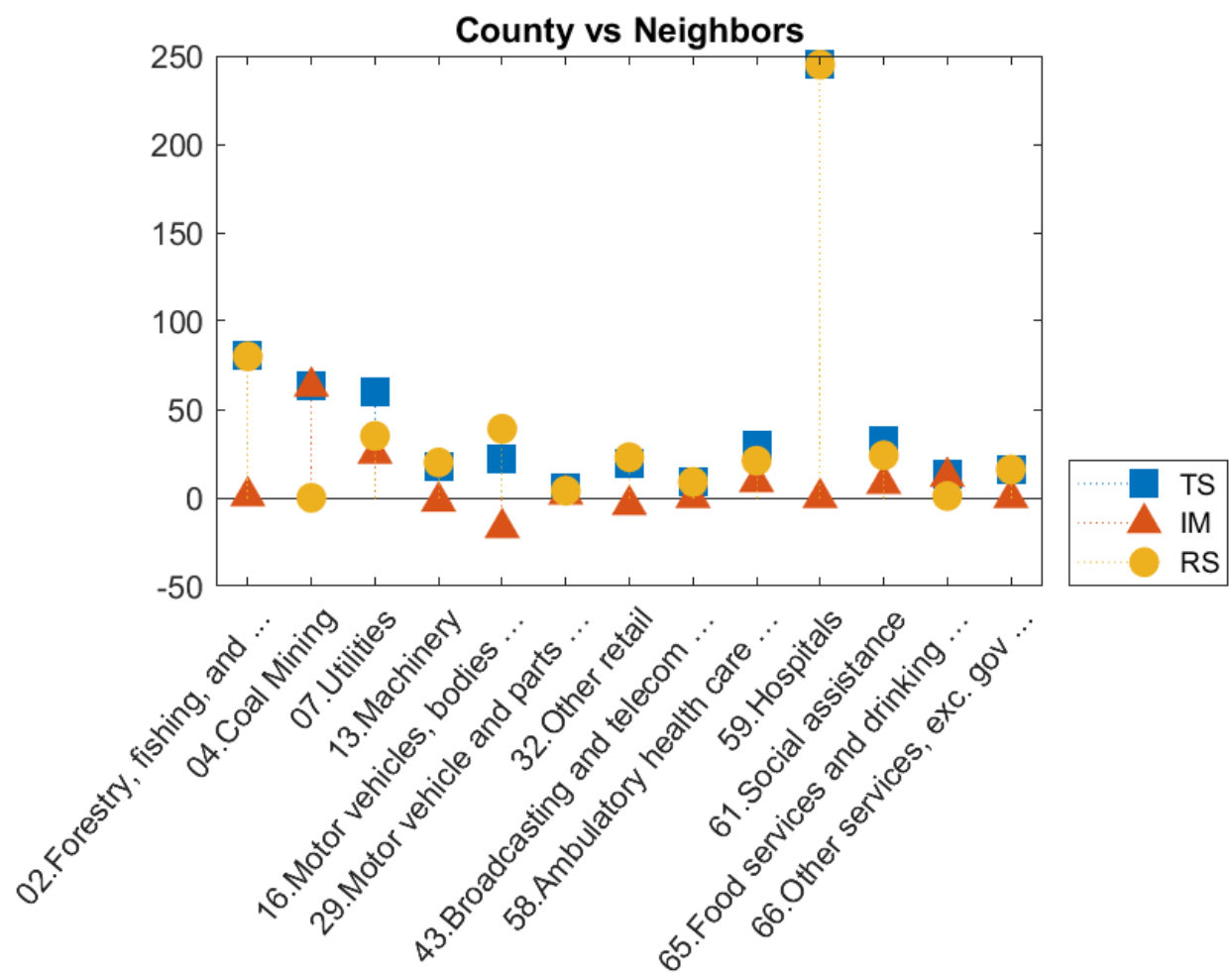


Chapter 5. Choctaw County, Mississippi

Selected SSA Components for Choctaw County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	0	80	-11	91	172
04	Coal Mining	1	59	-80	139	268
07	Utilities	0	59	-4	63	120
13	Machinery	0	18	-3	21	42
16	Motor vehicles, bodies ...	0	22	4	18	41
29	Motor vehicle and parts ...	0	6	0	6	27
32	Other retail	0	17	-7	24	84
43	Broadcasting and telecom ...	0	9	-10	19	38
58	Ambulatory health care ...	0	30	5	25	44
59	Hospitals	0	245	0	245	245
61	Social assistance	0	31	13	18	74
65	Food services and drinking ...	0	12	6	6	45
66	Other services, exc. gov ...	0	15	-1	16	46

Selected SSA Components for Choctaw County, Mississippi vs Neighbors



Chapter 5. Choctaw County, Mississippi

Selected SSA Components for Choctaw County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	-2	81	1	80	172
04	Coal Mining	-3	63	63	0	268
07	Utilities	-1	60	25	35	120
13	Machinery	-0	18	-2	20	42
16	Motor vehicles, bodies ...	-0	22	-17	39	41
29	Motor vehicle and parts ...	-0	6	2	4	27
32	Other retail	-1	19	-4	23	84
43	Broadcasting and telecom ...	-0	9	0	9	38
58	Ambulatory health care ...	-0	30	9	21	44
59	Hospitals	-0	245	0	245	245
61	Social assistance	-1	32	8	24	74
65	Food services and drinking ...	-1	13	12	1	45
66	Other services, exc. gov ...	-1	16	0	16	46

Chapter 6. Clay County, Mississippi

Employment in Clay County, Mississippi, declined from 7,957 in 2005 to 5,301 in 2018, for a change of -2,656, or -33.38%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Clay County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	897	-3,548	-60	-3,488
vs. Appalachia	23	-2,681	-228	-2,453
vs. Neighbors	-452	-2,201	-1,924	-277

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Clay County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 6. Clay County, Mississippi

Industry Group Membership for Clay County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F III a i	no	yes	yes	yes
18	Furniture and related ...	F III c iii	no	yes	yes	yes
26	Chemical products	F III c iii	no	yes	yes	yes
27	Plastics and rubber prod...	D I a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B II a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a ii	yes	yes	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Clay County, Mississippi vs. the United States

Groups a, b, and c are from Clay County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Clay County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Clay County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Clay County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Clay County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Clay County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

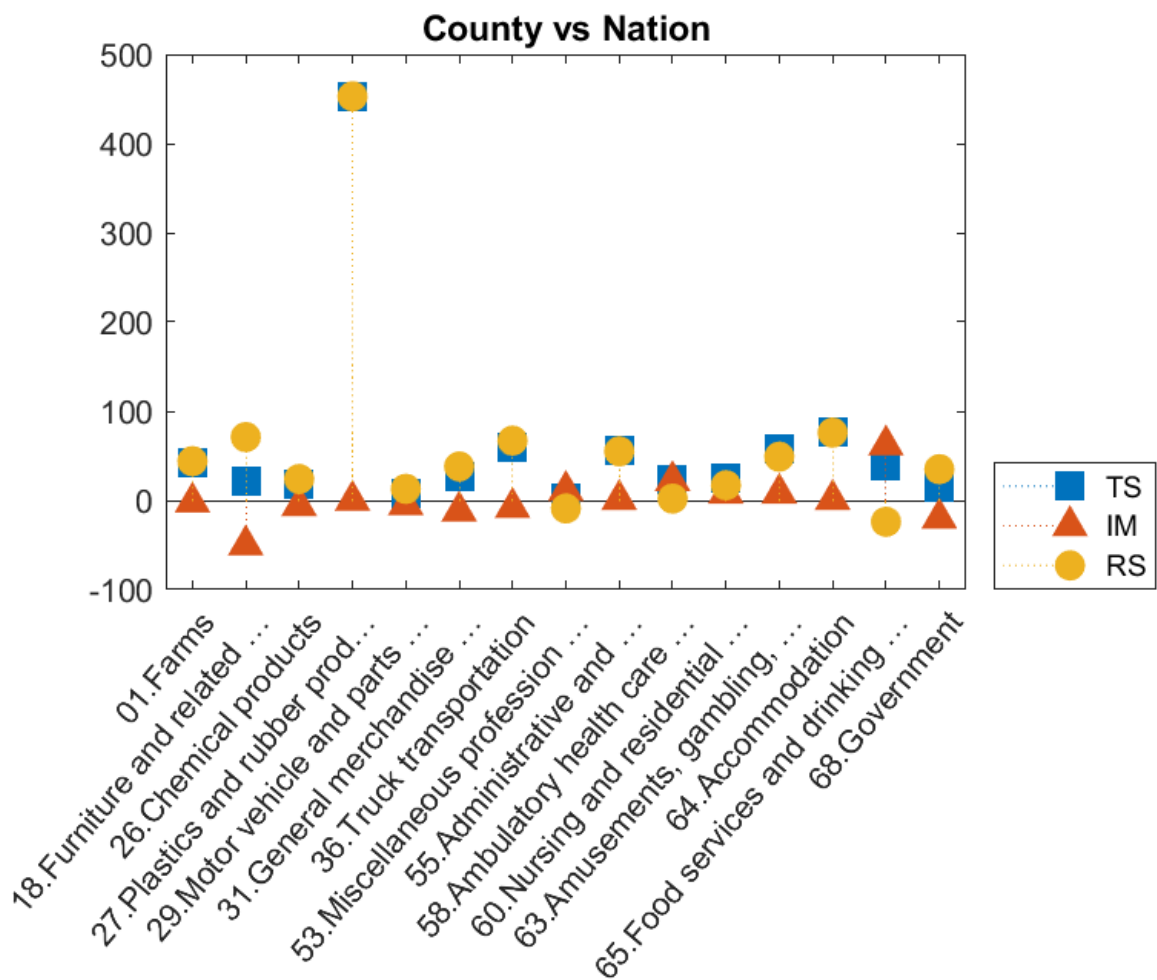
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Clay County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Clay County, Mississippi vs the U.S.

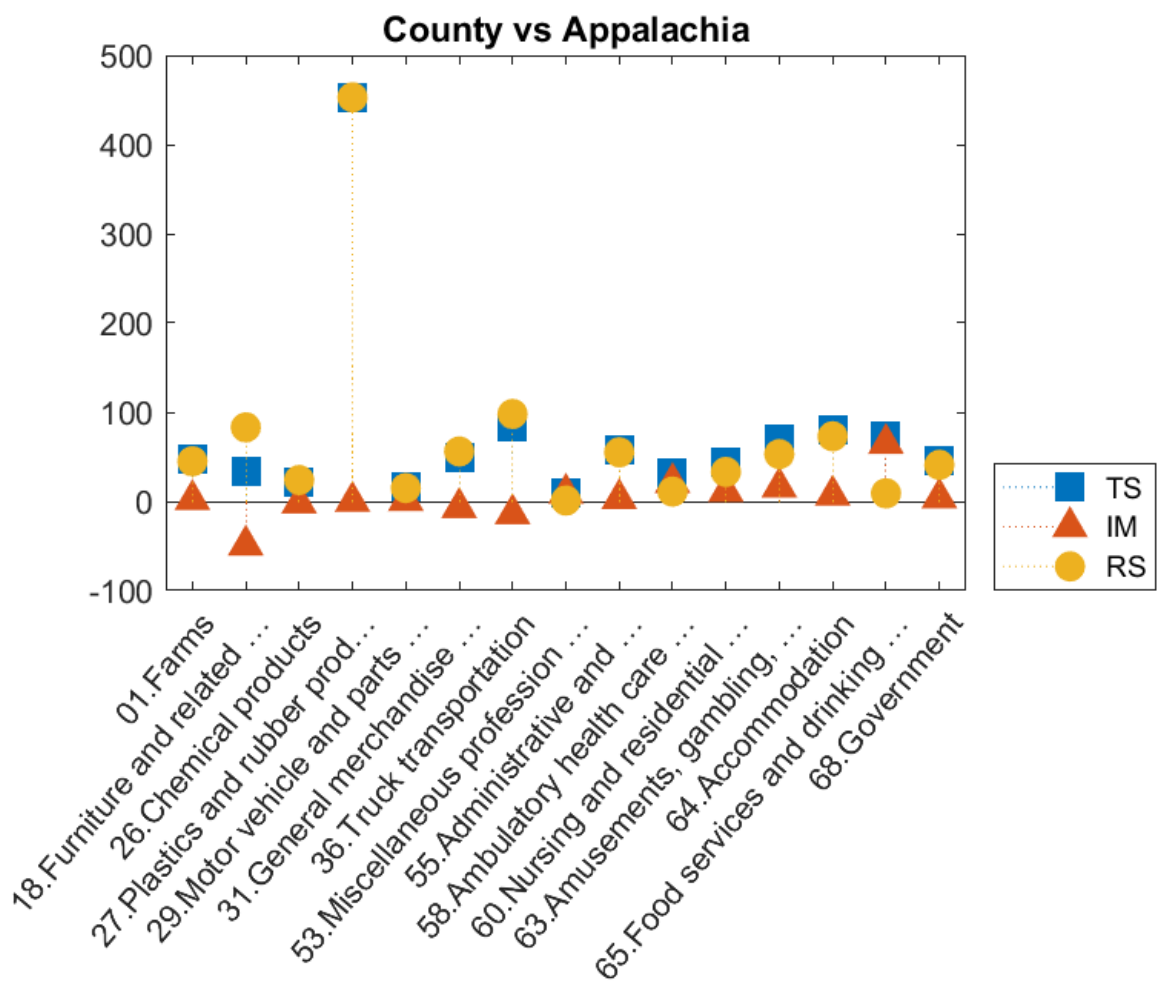


Chapter 6. Clay County, Mississippi

Clay County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	6	42	-2	44	99
18	Furniture and related ...	14	21	-50	71	155
26	Chemical products	4	18	-6	24	58
27	Plastics and rubber prod...	0	453	-0	453	458
29	Motor vehicle and parts ...	9	8	-5	13	101
31	General merchandise ...	24	26	-12	38	259
36	Truck transportation	25	59	-8	67	305
53	Miscellaneous profession ...	7	2	11	-9	76
55	Administrative and ...	3	56	1	55	82
58	Ambulatory health care ...	7	24	22	2	96
60	Nursing and residential ...	20	25	8	17	224
63	Amusements, gambling, ...	12	57	8	49	176
64	Accommodation	4	77	1	76	113
65	Food services and drinking ...	37	38	62	-24	402
68	Government	30	15	-20	35	311

Selected SSA Components for Clay County, Mississippi vs the Appalachian Region

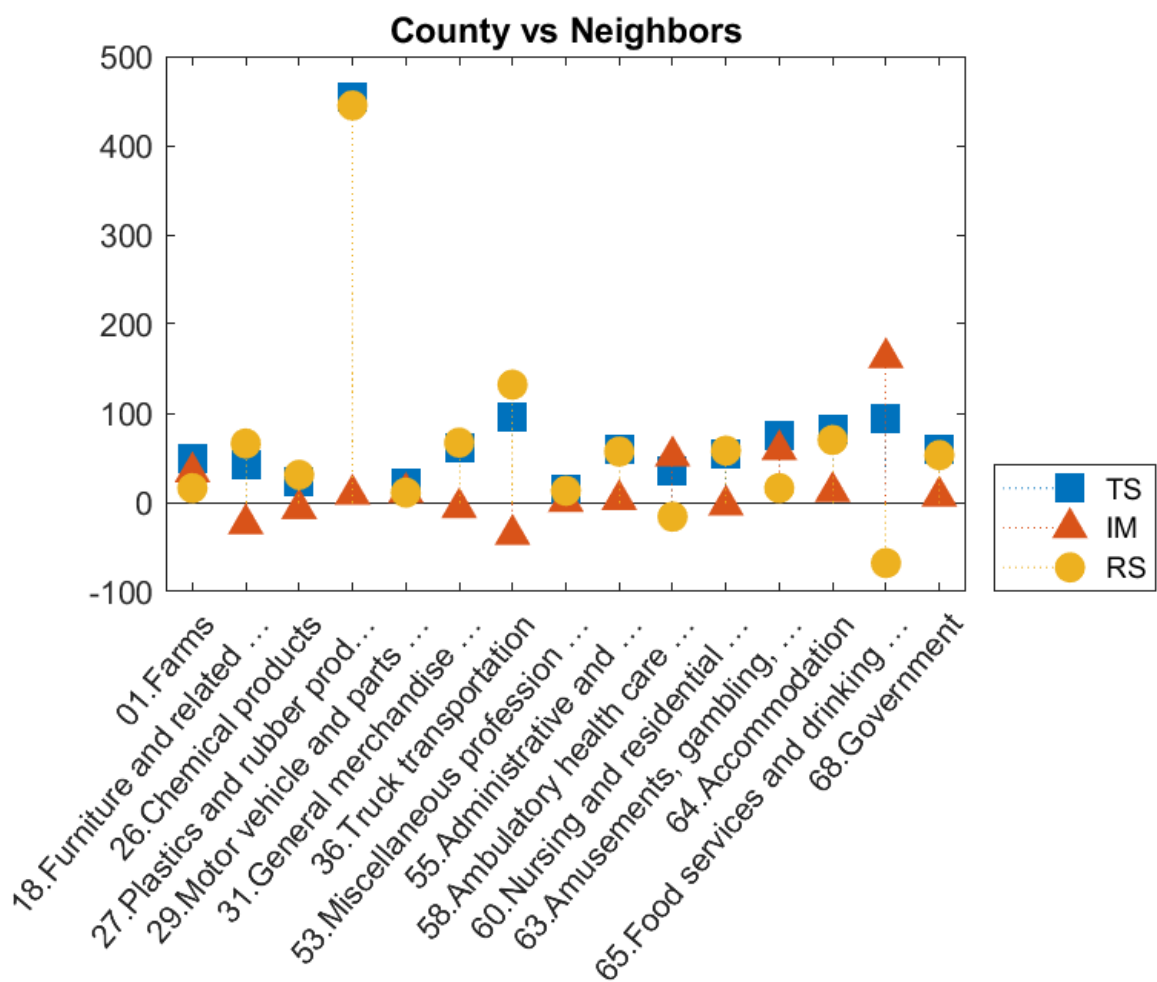


Chapter 6. Clay County, Mississippi

Selected SSA Components for Clay County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	47	2	45	99
18	Furniture and related ...	0	34	-49	83	155
26	Chemical products	0	22	-2	24	58
27	Plastics and rubber prod...	0	453	0	453	458
29	Motor vehicle and parts ...	0	16	1	15	101
31	General merchandise ...	1	49	-7	56	259
36	Truck transportation	1	84	-14	98	305
53	Miscellaneous profession ...	0	10	9	1	76
55	Administrative and ...	0	58	3	55	82
58	Ambulatory health care ...	0	32	21	11	96
60	Nursing and residential ...	1	44	11	33	224
63	Amusements, gambling, ...	0	69	16	53	176
64	Accommodation	0	80	7	73	113
65	Food services and drinking ...	1	74	65	9	402
68	Government	1	45	4	41	311

Selected SSA Components for Clay County, Mississippi vs Neighbors



Chapter 6. Clay County, Mississippi

Selected SSA Components for Clay County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	-3	50	34	16	99
18	Furniture and related ...	-7	42	-24	66	155
26	Chemical products	-2	24	-7	31	58
27	Plastics and rubber prod...	-0	454	9	445	458
29	Motor vehicle and parts ...	-5	22	11	11	101
31	General merchandise ...	-12	61	-6	67	259
36	Truck transportation	-13	96	-36	132	305
53	Miscellaneous profession ...	-4	14	1	13	76
55	Administrative and ...	-1	60	3	57	82
58	Ambulatory health care ...	-4	36	52	-16	96
60	Nursing and residential ...	-10	55	-3	58	224
63	Amusements, gambling, ...	-6	75	59	16	176
64	Accommodation	-2	82	12	70	113
65	Food services and drinking ...	-19	94	162	-68	402
68	Government	-15	60	7	53	311

Chapter 7. Itawamba County, Mississippi

Employment in Itawamba County, Mississippi, grew from 5,828 in 2005 to 6,077 in 2018, for a change of 249, or 4.27%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Itawamba County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	661	-404	-547	143
vs. Appalachia	16	227	-414	641
vs. Neighbors	-123	381	357	24

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Itawamba County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 7. Itawamba County, Mississippi

Industry Group Membership for Itawamba County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c i	no	yes	yes	yes
11	Primary metals	F III c ii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
18	Furniture and related ...	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
58	Ambulatory health care ...	B II b i	yes	yes	yes	yes
60	Nursing and residential ...	E I a ii	no	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Itawamba County, Mississippi vs. the United States

Groups a, b, and c are from Itawamba County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Itawamba County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Itawamba County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Itawamba County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Itawamba County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Itawamba County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

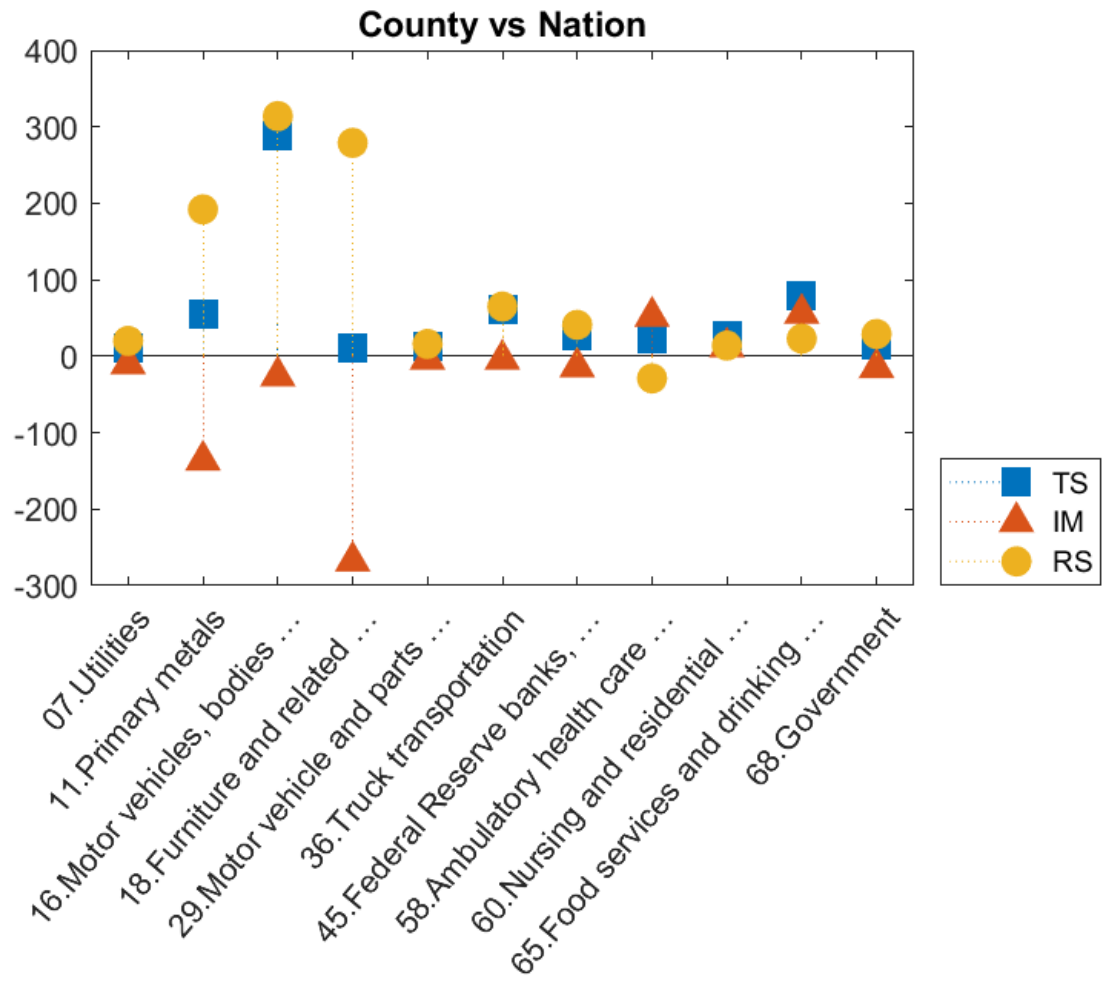
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Itawamba County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Itawamba County, Mississippi vs the U.S.

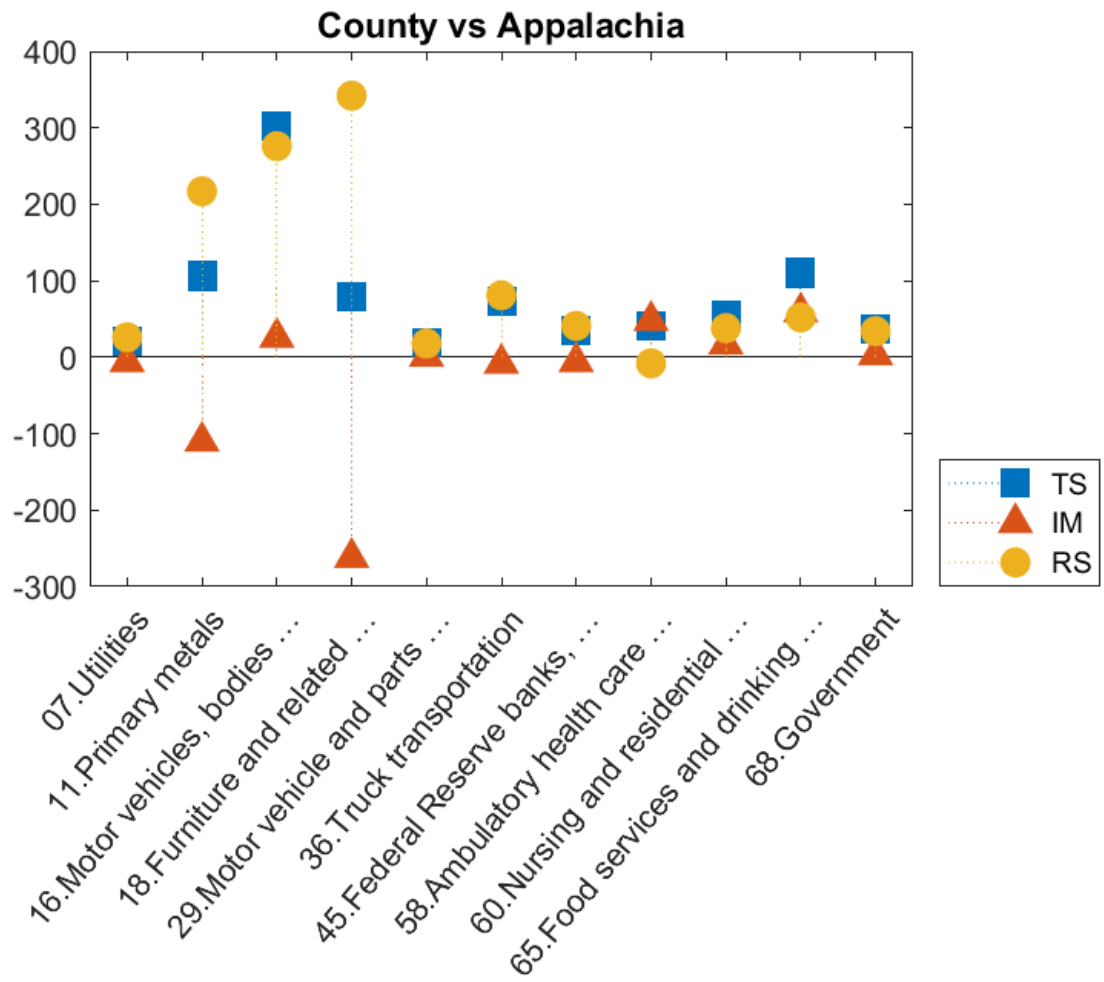


Chapter 7. Itawamba County, Mississippi

Itawamba County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	10	10	-10	20	112
11	Primary metals	52	56	-136	192	565
16	Motor vehicles, bodies ...	15	288	-26	314	431
18	Furniture and related ...	73	11	-268	279	728
29	Motor vehicle and parts ...	7	12	-4	16	77
36	Truck transportation	13	61	-4	65	193
45	Federal Reserve banks, ...	8	27	-14	41	108
58	Ambulatory health care ...	17	23	52	-29	188
60	Nursing and residential ...	30	26	12	14	323
65	Food services and drinking ...	33	79	56	23	405
68	Government	23	14	-15	29	238

Selected SSA Components for Itawamba County, Mississippi vs the
Appalachian Region

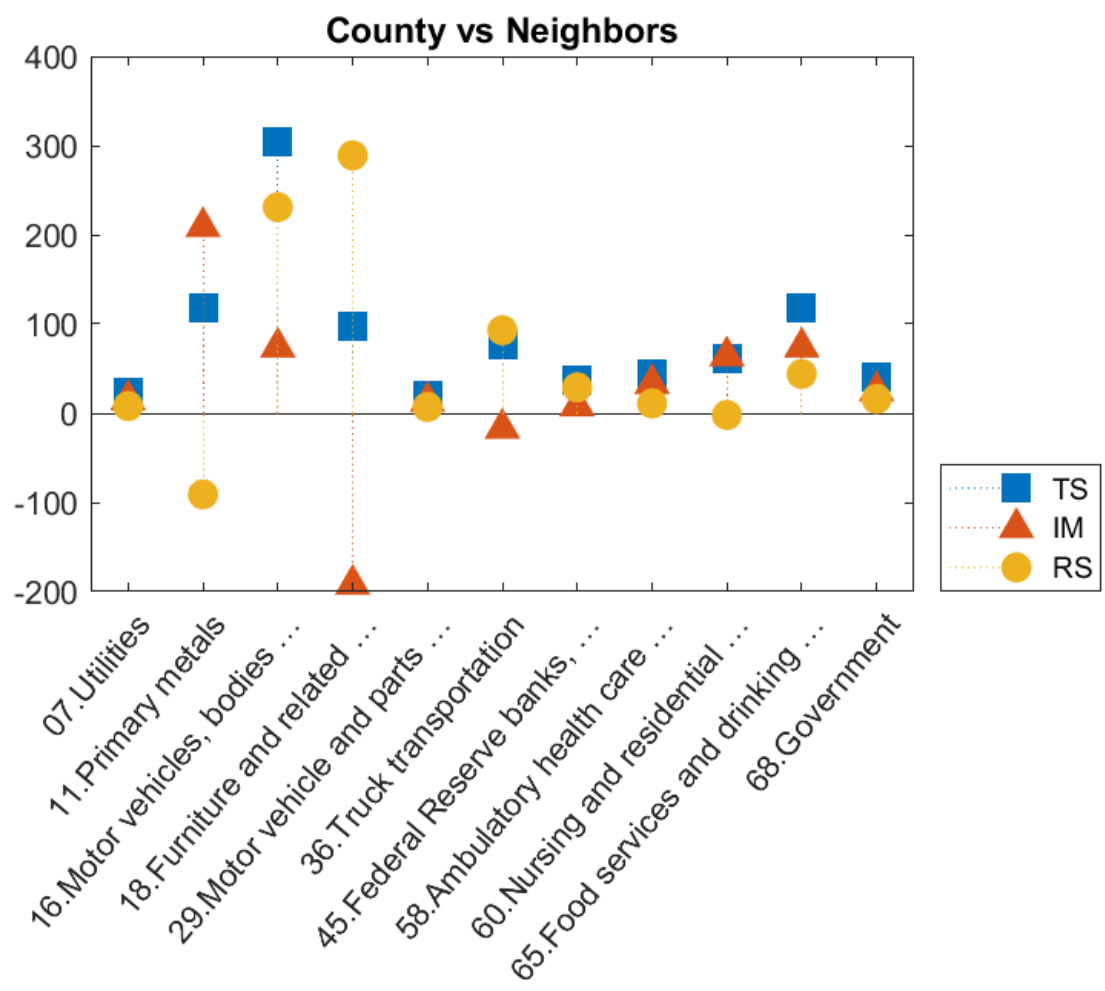


Chapter 7. Itawamba County, Mississippi

Selected SSA Components for Itawamba County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	20	-6	26	112
11	Primary metals	2	107	-110	217	565
16	Motor vehicles, bodies ...	0	302	26	276	431
18	Furniture and related ...	2	80	-262	342	728
29	Motor vehicle and parts ...	0	19	1	18	77
36	Truck transportation	0	73	-8	81	193
45	Federal Reserve banks, ...	0	35	-6	41	108
58	Ambulatory health care ...	1	40	48	-8	188
60	Nursing and residential ...	1	55	17	38	323
65	Food services and drinking ...	1	111	59	52	405
68	Government	1	37	3	34	238

Selected SSA Components for Itawamba County, Mississippi vs Neighbors



Chapter 7. Itawamba County, Mississippi

Selected SSA Components for Itawamba County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	-2	23	15	8	112
11	Primary metals	-10	118	209	-91	565
16	Motor vehicles, bodies ...	-3	305	74	231	431
18	Furniture and related ...	-14	97	-192	289	728
29	Motor vehicle and parts ...	-1	20	13	7	77
36	Truck transportation	-3	76	-17	93	193
45	Federal Reserve banks, ...	-2	37	8	29	108
58	Ambulatory health care ...	-3	44	33	11	188
60	Nursing and residential ...	-6	62	64	-2	323
65	Food services and drinking ...	-6	118	74	44	405
68	Government	-4	41	25	16	238

Chapter 8. Kemper County, Mississippi

Employment in Kemper County, Mississippi, grew from 1,865 in 2005 to 2,212 in 2018, for a change of 347, or 18.61%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Kemper County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	211	138	-59	197
vs. Appalachia	4	343	33	310
vs. Neighbors	-267	608	84	524

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Kemper County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 8. Kemper County, Mississippi

Industry Group Membership for Kemper County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
02	Forestry, fishing, and ...	E I c i	no	yes	yes	yes
04	Coal Mining	F I a i	no	yes	yes	yes
07	Utilities	F III c i	no	yes	yes	yes
08	Construction	F III c iii	no	yes	yes	yes
20	Food and beverage ...	E I c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Kemper County, Mississippi vs. the United States

Groups a, b, and c are from Kemper County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Kemper County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Kemper County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Kemper County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Kemper County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Kemper County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

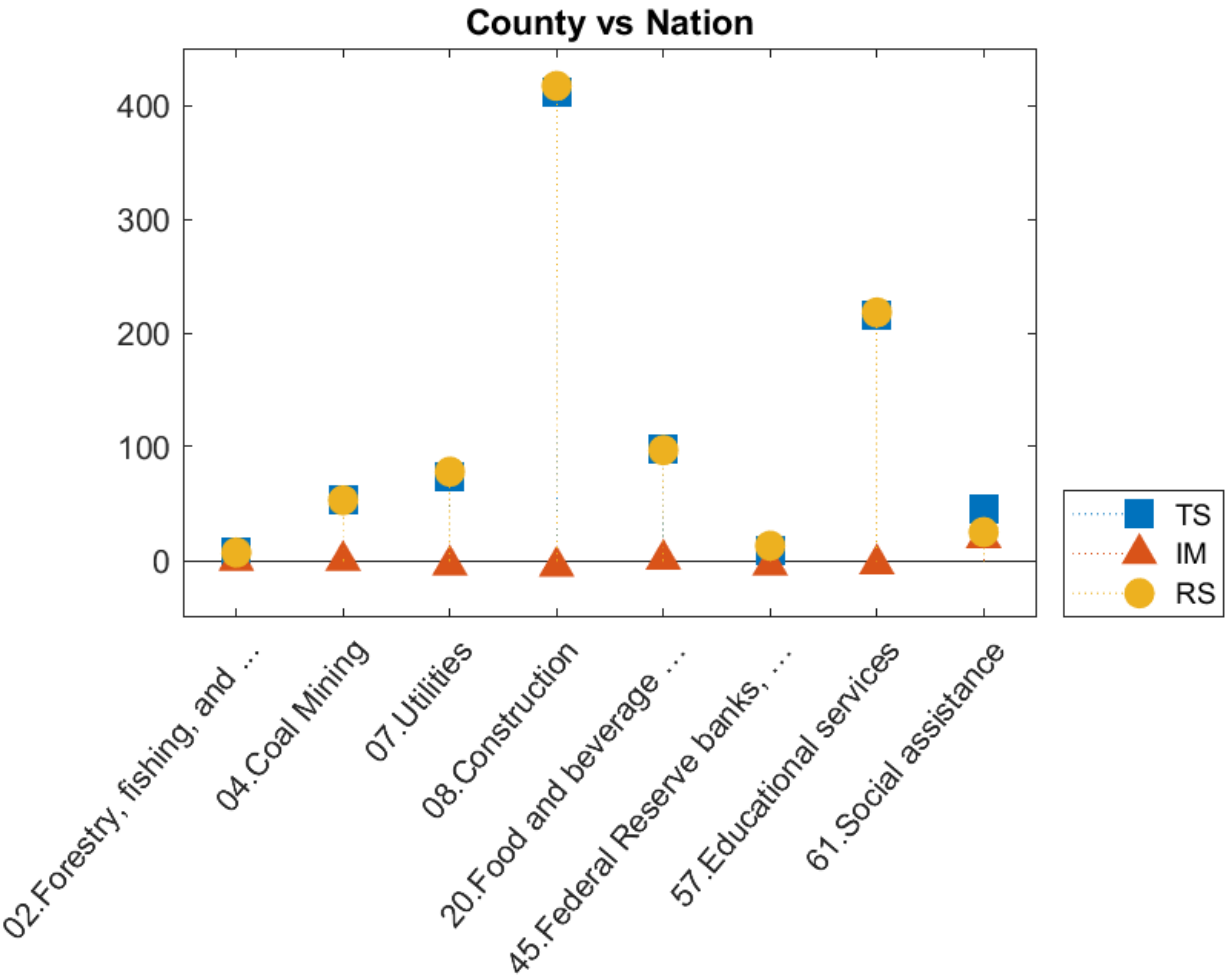
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Kemper County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Kemper County, Mississippi vs the U.S.

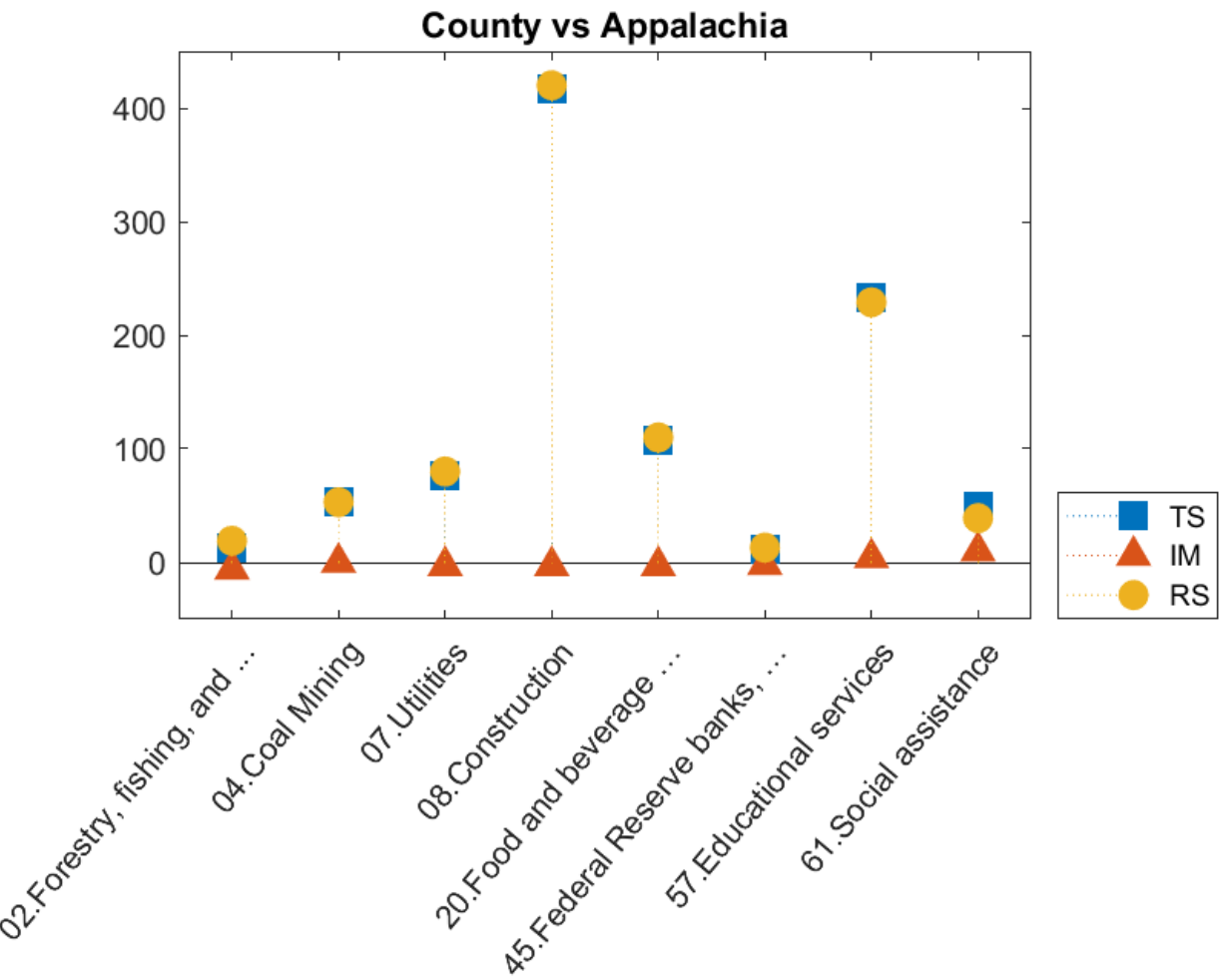


Chapter 8. Kemper County, Mississippi

Kemper County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	6	7	0	7	62
04	Coal Mining	0	53	0	53	53
07	Utilities	5	74	-4	78	119
08	Construction	4	412	-5	417	456
20	Food and beverage ...	9	98	1	97	189
45	Federal Reserve banks, ...	2	9	-4	13	30
57	Educational services	18	215	-3	218	396
61	Social assistance	3	45	20	25	79

Selected SSA Components for Kemper County, Mississippi vs the Appalachian Region

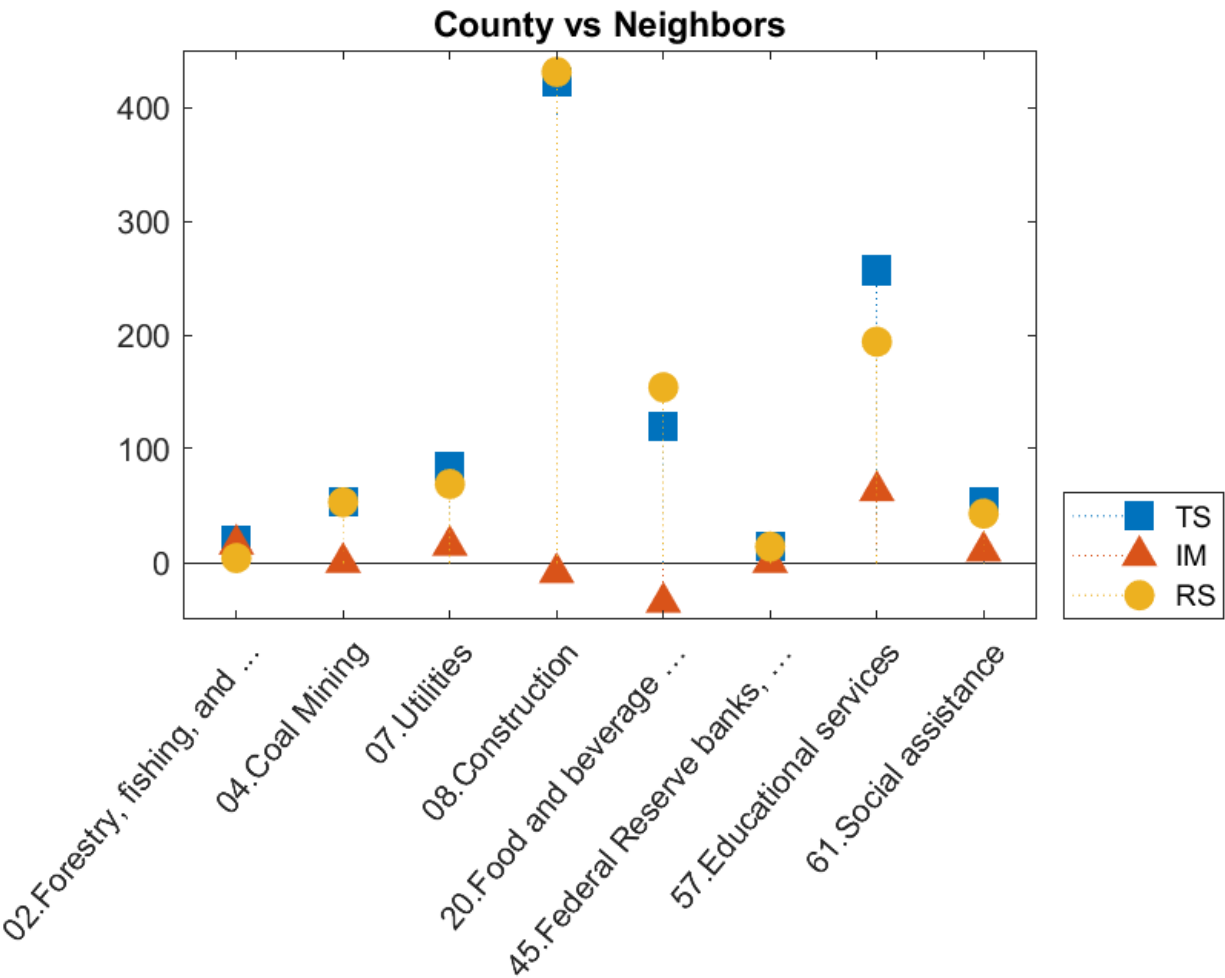


Chapter 8. Kemper County, Mississippi

Selected SSA Components for Kemper County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	0	13	-6	19	62
04	Coal Mining	0	53	0	53	53
07	Utilities	0	77	-3	80	119
08	Construction	0	417	-3	420	456
20	Food and beverage ...	0	107	-3	110	189
45	Federal Reserve banks, ...	0	11	-2	13	30
57	Educational services	1	233	4	229	396
61	Social assistance	0	49	10	39	79

Selected SSA Components for Kemper County, Mississippi vs Neighbors



Chapter 8. Kemper County, Mississippi

Selected SSA Components for Kemper County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	-7	20	16	4	62
04	Coal Mining	-0	53	0	53	53
07	Utilities	-6	84	15	69	119
08	Construction	-6	422	-9	431	456
20	Food and beverage ...	-12	119	-35	154	189
45	Federal Reserve banks, ...	-3	14	0	14	30
57	Educational services	-23	257	63	194	396
61	Social assistance	-4	53	10	43	79

Chapter 9. Lee County, Mississippi

Employment in Lee County, Mississippi, grew from 51,509 in 2005 to 53,713 in 2018, for a change of 2,204, or 4.28%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Lee County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	5,807	-3,608	-2,296	-1,312
vs. Appalachia	175	2,027	-1,182	3,209
vs. Neighbors	-45	2,252	1,129	1,123

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Lee County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 9. Lee County, Mississippi

Industry Group Membership for Lee County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B II a ii	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B II b ii	yes	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II a ii	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Lee County, Mississippi vs. the United States

Groups a, b, and c are from Lee County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Lee County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Lee County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Lee County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Lee County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Lee County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

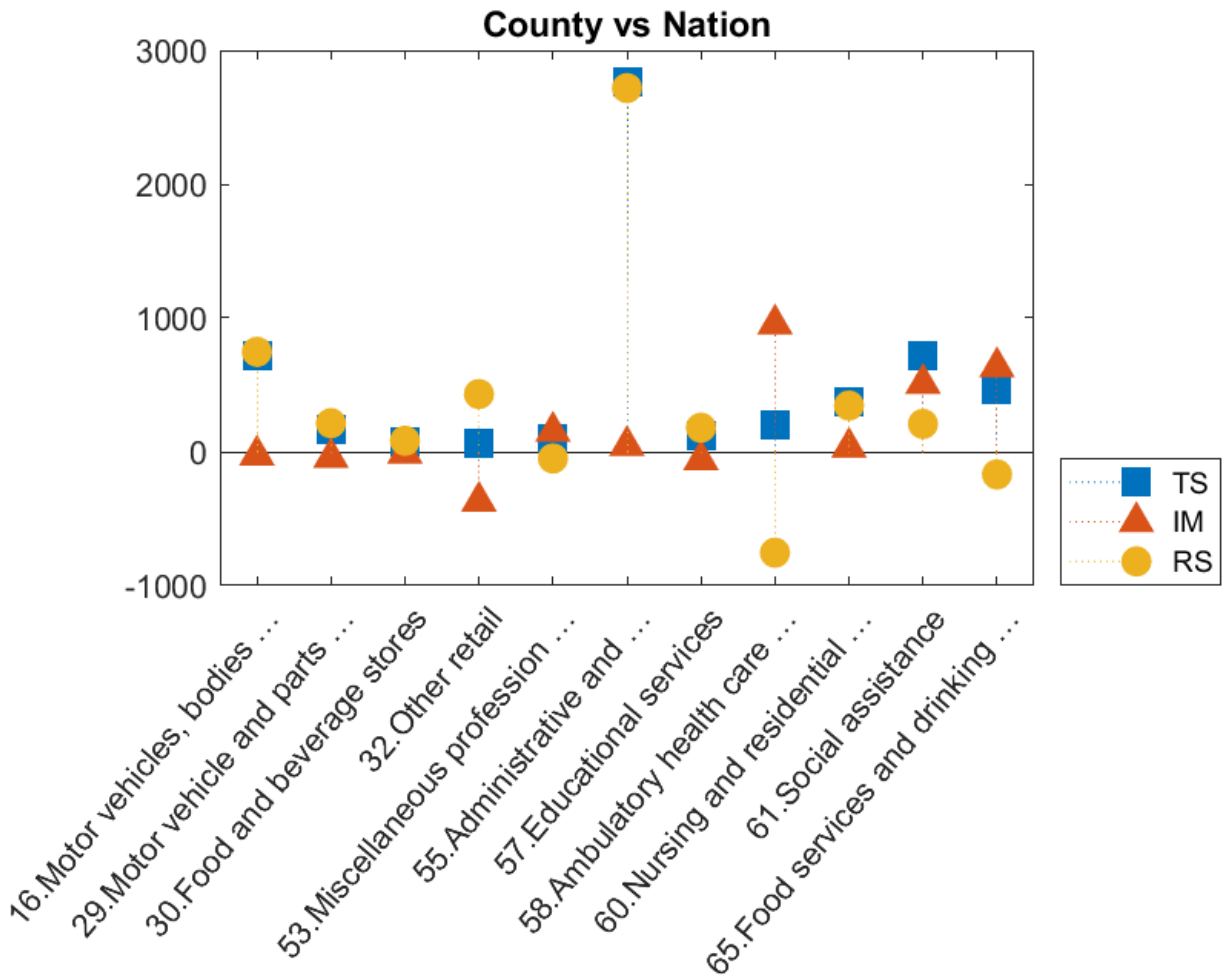
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Lee County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Lee County, Mississippi vs the U.S.

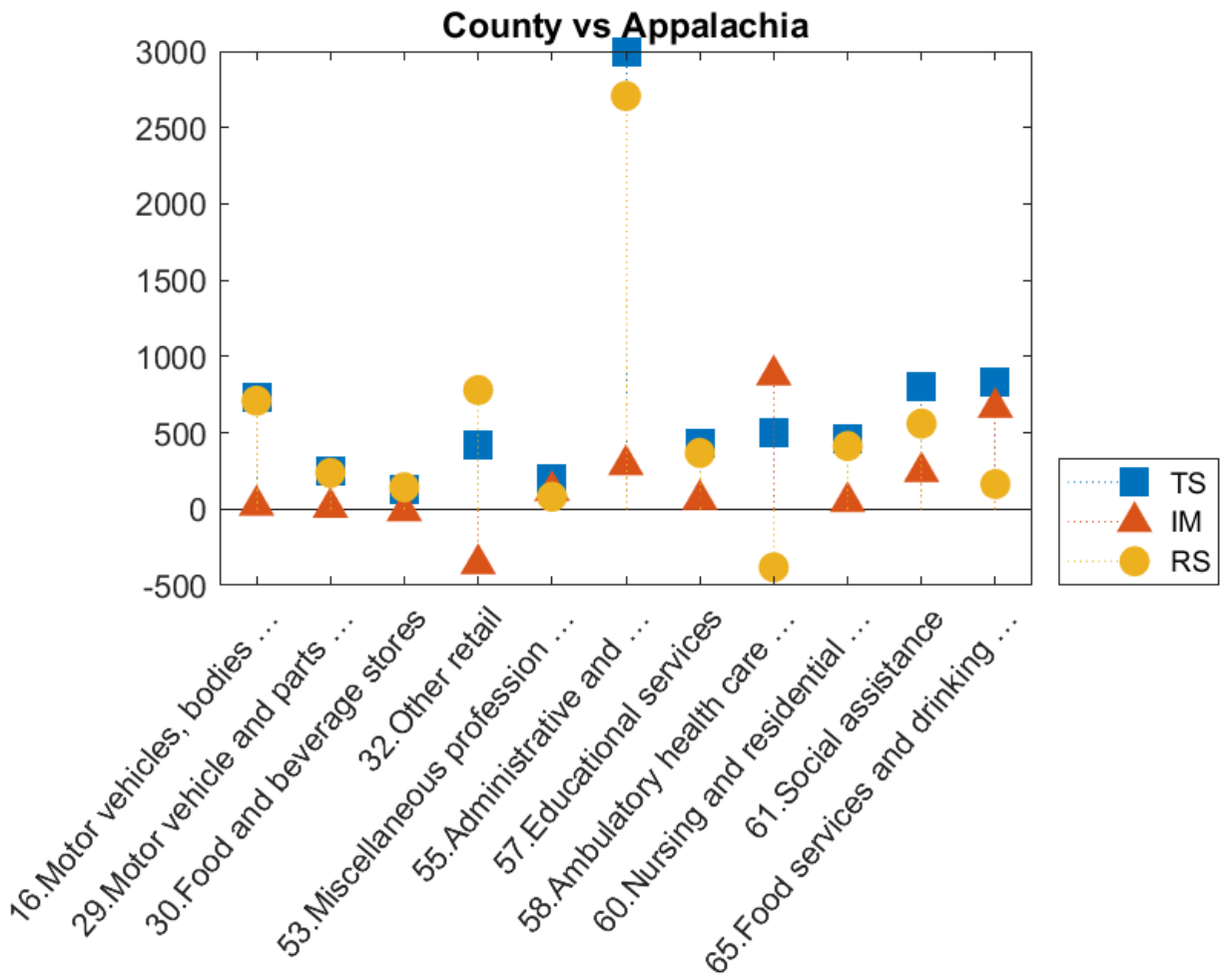


Chapter 9. Lee County, Mississippi

Lee County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	14	722	-25	747	861
29	Motor vehicle and parts ...	78	171	-43	214	943
30	Food and beverage stores	63	71	-11	82	689
32	Other retail	372	61	-370	431	3,728
53	Miscellaneous profession ...	102	102	152	-50	1,104
55	Administrative and ...	240	2,764	46	2,718	5,133
57	Educational services	319	120	-60	180	3,272
58	Ambulatory health care ...	307	200	954	-754	3,228
60	Nursing and residential ...	84	379	33	346	1,210
61	Social assistance	88	718	510	208	1,585
65	Food services and drinking ...	375	465	634	-169	4,169

Selected SSA Components for Lee County, Mississippi vs the Appalachian Region

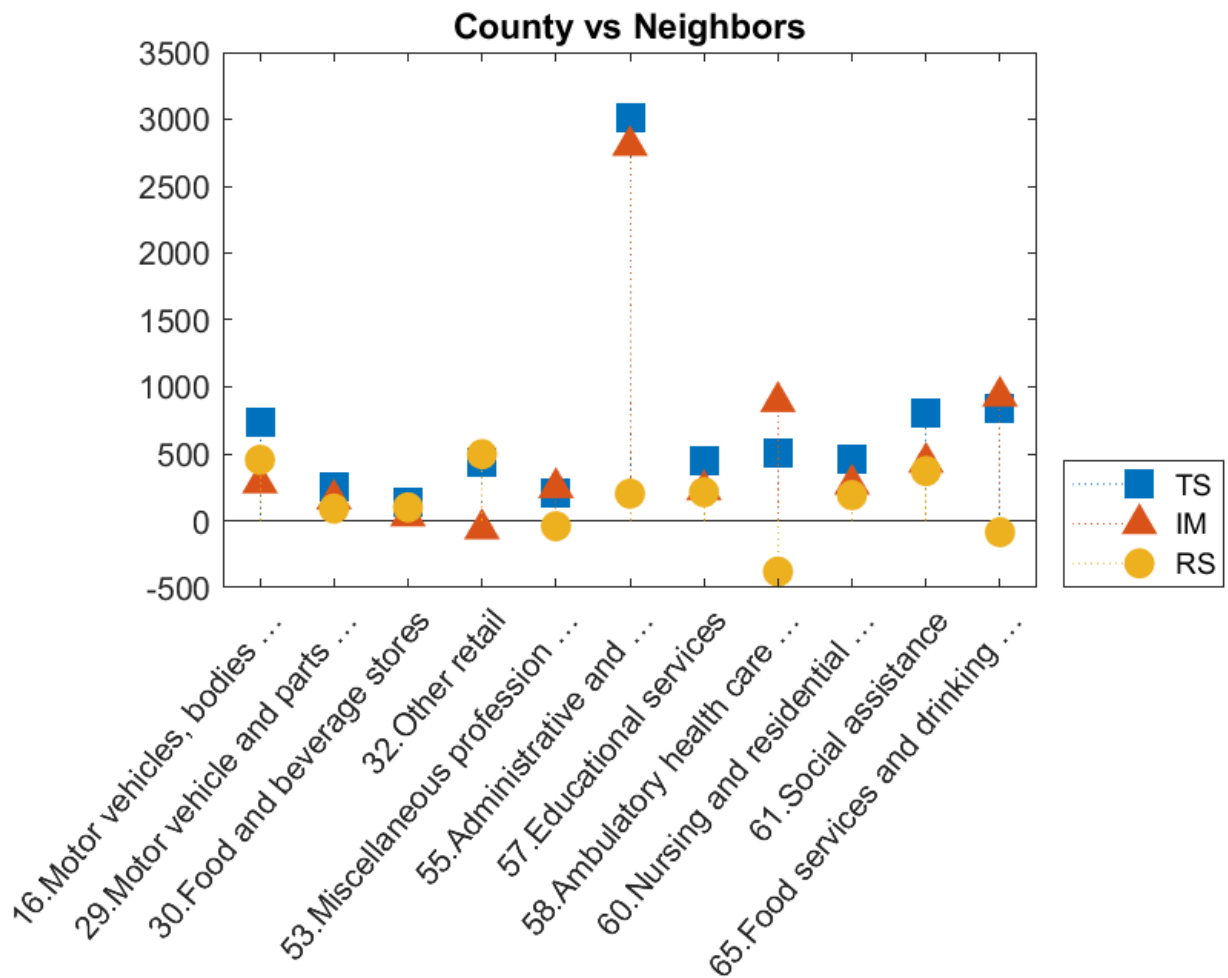


Chapter 9. Lee County, Mississippi

Selected SSA Components for Lee County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	0	735	25	710	861
29	Motor vehicle and parts ...	2	248	11	237	943
30	Food and beverage stores	2	131	-12	143	689
32	Other retail	11	421	-359	780	3,728
53	Miscellaneous profession ...	3	201	120	81	1,104
55	Administrative and ...	7	2,997	290	2,707	5,133
57	Educational services	10	430	62	368	3,272
58	Ambulatory health care ...	9	497	878	-381	3,228
60	Nursing and residential ...	3	461	48	413	1,210
61	Social assistance	3	804	244	560	1,585
65	Food services and drinking ...	11	829	665	164	4,169

Selected SSA Components for Lee County, Mississippi vs Neighbors



Chapter 9. Lee County, Mississippi

Selected SSA Components for Lee County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
16	Motor vehicles, bodies ...	-0	737	282	455	861
29	Motor vehicle and parts ...	-1	251	161	90	943
30	Food and beverage stores	-1	134	34	100	689
32	Other retail	-3	436	-61	497	3,728
53	Miscellaneous profession ...	-1	205	246	-41	1,104
55	Administrative and ...	-2	3,006	2,804	202	5,133
57	Educational services	-3	443	230	213	3,272
58	Ambulatory health care ...	-3	509	890	-381	3,228
60	Nursing and residential ...	-1	464	273	191	1,210
61	Social assistance	-1	807	436	371	1,585
65	Food services and drinking ...	-3	844	930	-86	4,169

Chapter 10. Lowndes County, Mississippi

Employment in Lowndes County, Mississippi, grew from 24,578 in 2005 to 25,072 in 2018, for a change of 494, or 2.01%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Lowndes County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	2,770	-2,276	-882	-1,394
vs. Appalachia	79	411	-640	1,051
vs. Neighbors	-1,612	2,107	127	1,980

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Lowndes County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 10. Lowndes County, Mississippi

Industry Group Membership for Lowndes County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
11	Primary metals	F III c i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C I a i	yes	yes	yes	yes
17	Other transportation ...	F I a i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
37	Transit and ground ...	E I c i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
61	Social assistance	B II a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Lowndes County, Mississippi vs. the United States

Groups a, b, and c are from Lowndes County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Lowndes County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Lowndes County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Lowndes County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Lowndes County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Lowndes County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

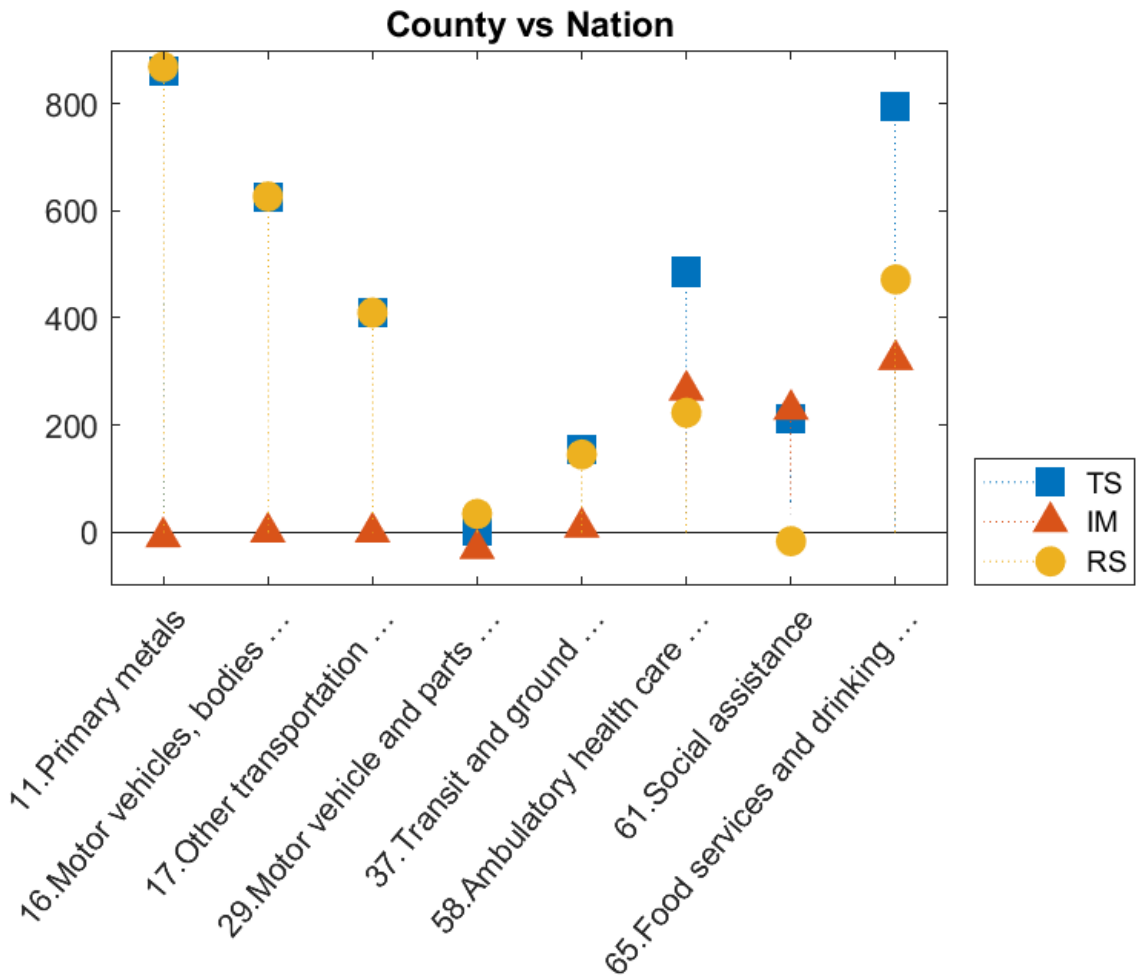
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Lowndes County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Lowndes County, Mississippi vs the U.S.

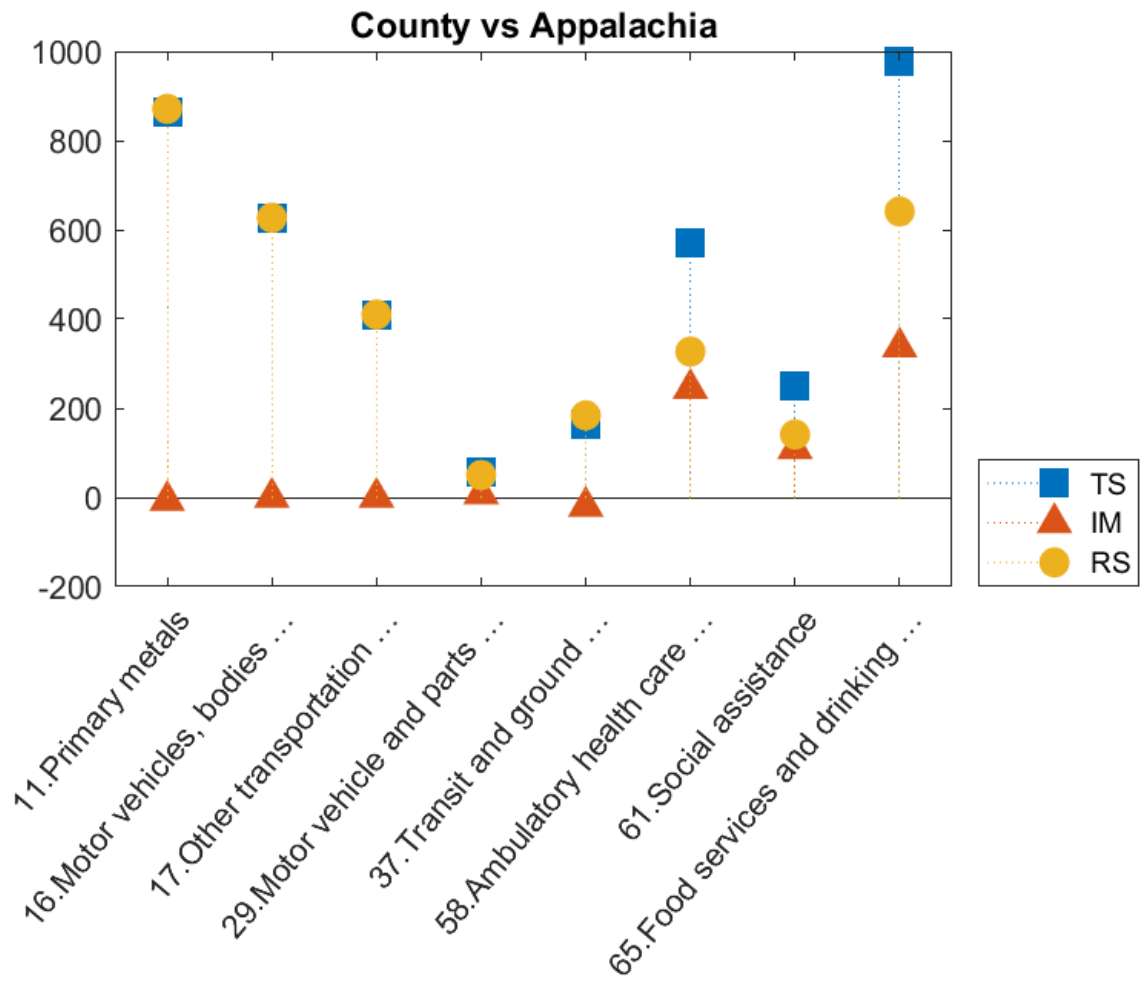


Chapter 10. Lowndes County, Mississippi

Lowndes County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	3	860	-9	869	894
16	Motor vehicles, bodies ...	0	627	0	627	627
17	Other transportation ...	0	410	0	410	410
29	Motor vehicle and parts ...	58	3	-31	34	571
37	Transit and ground ...	11	154	9	145	260
58	Ambulatory health care ...	85	488	265	223	1,328
61	Social assistance	39	212	229	-17	600
65	Food services and drinking ...	190	794	322	472	2,671

Selected SSA Components for Lowndes County, Mississippi vs the Appalachian Region

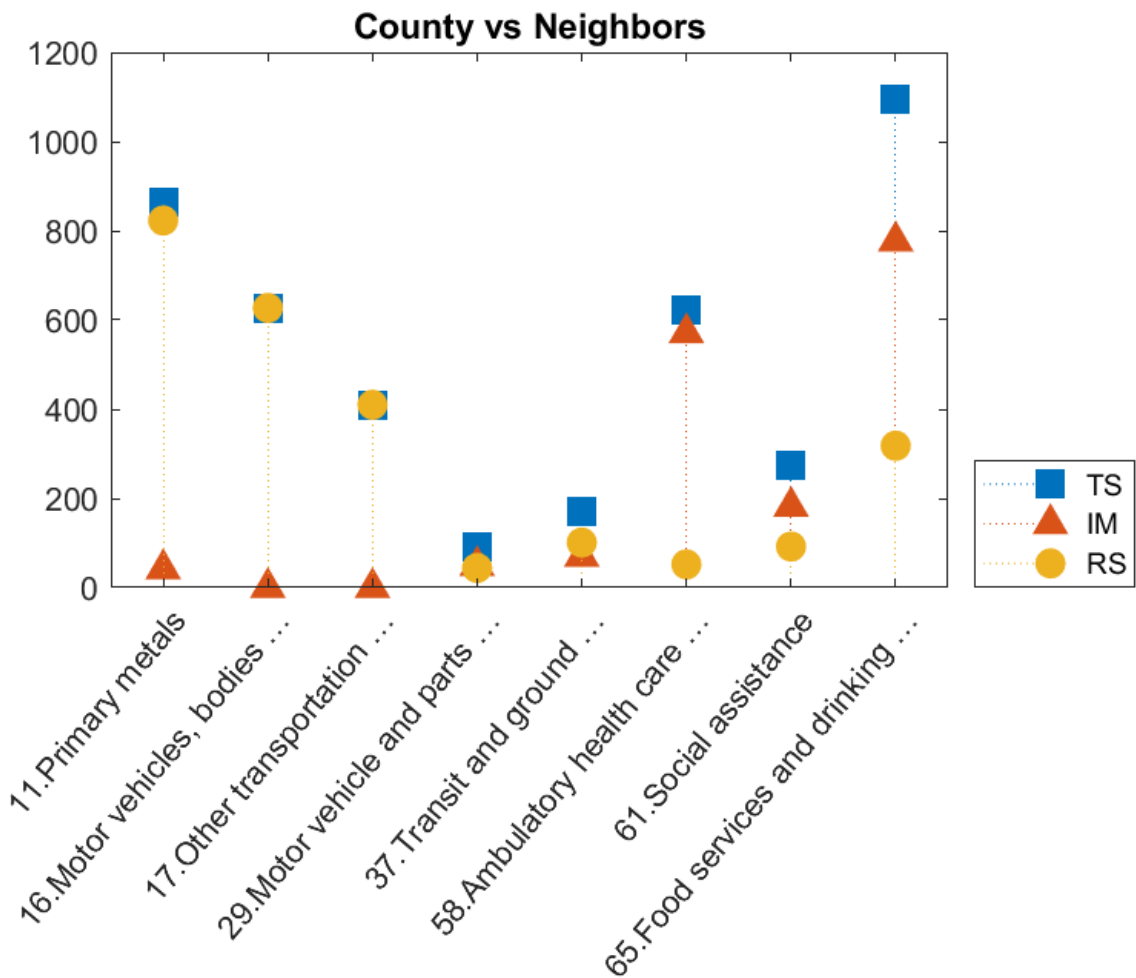


Chapter 10. Lowndes County, Mississippi

Selected SSA Components for Lowndes County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	0	864	-7	871	894
16	Motor vehicles, bodies ...	0	627	0	627	627
17	Other transportation ...	0	410	0	410	410
29	Motor vehicle and parts ...	2	58	8	50	571
37	Transit and ground ...	0	164	-20	184	260
58	Ambulatory health care ...	3	571	244	327	1,328
61	Social assistance	1	250	109	141	600
65	Food services and drinking ...	6	978	337	641	2,671

Selected SSA Components for Lowndes County, Mississippi vs Neighbors



Chapter 10. Lowndes County, Mississippi

Selected SSA Components for Lowndes County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
11	Primary metals	-2	865	42	823	894
16	Motor vehicles, bodies ...	-0	627	0	627	627
17	Other transportation ...	-0	410	0	410	410
29	Motor vehicle and parts ...	-34	93	49	44	571
37	Transit and ground ...	-6	171	70	101	260
58	Ambulatory health care ...	-50	623	571	52	1,328
61	Social assistance	-23	274	182	92	600
65	Food services and drinking ...	-111	1,095	777	318	2,671

Chapter 11. Marshall County, Mississippi

Employment in Marshall County, Mississippi, grew from 6,506 in 2005 to 7,144 in 2018, for a change of 638, or 9.81%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Marshall County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	733	-98	292	-390
vs. Appalachia	20	611	48	563
vs. Neighbors	129	506	1,292	-786

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Marshall County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 11. Marshall County, Mississippi

Industry Group Membership for Marshall County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
12	Fabricated metal products	F III c i	no	yes	yes	yes
13	Machinery	F III c i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a ii	yes	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
40	Warehousing and storage	E II a ii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c iii	no	yes	yes	yes
50	Rental and leasing services ...	D III c iii	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Marshall County, Mississippi vs. the United States

Groups a, b, and c are from Marshall County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Marshall County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Marshall County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Marshall County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Marshall County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Marshall County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

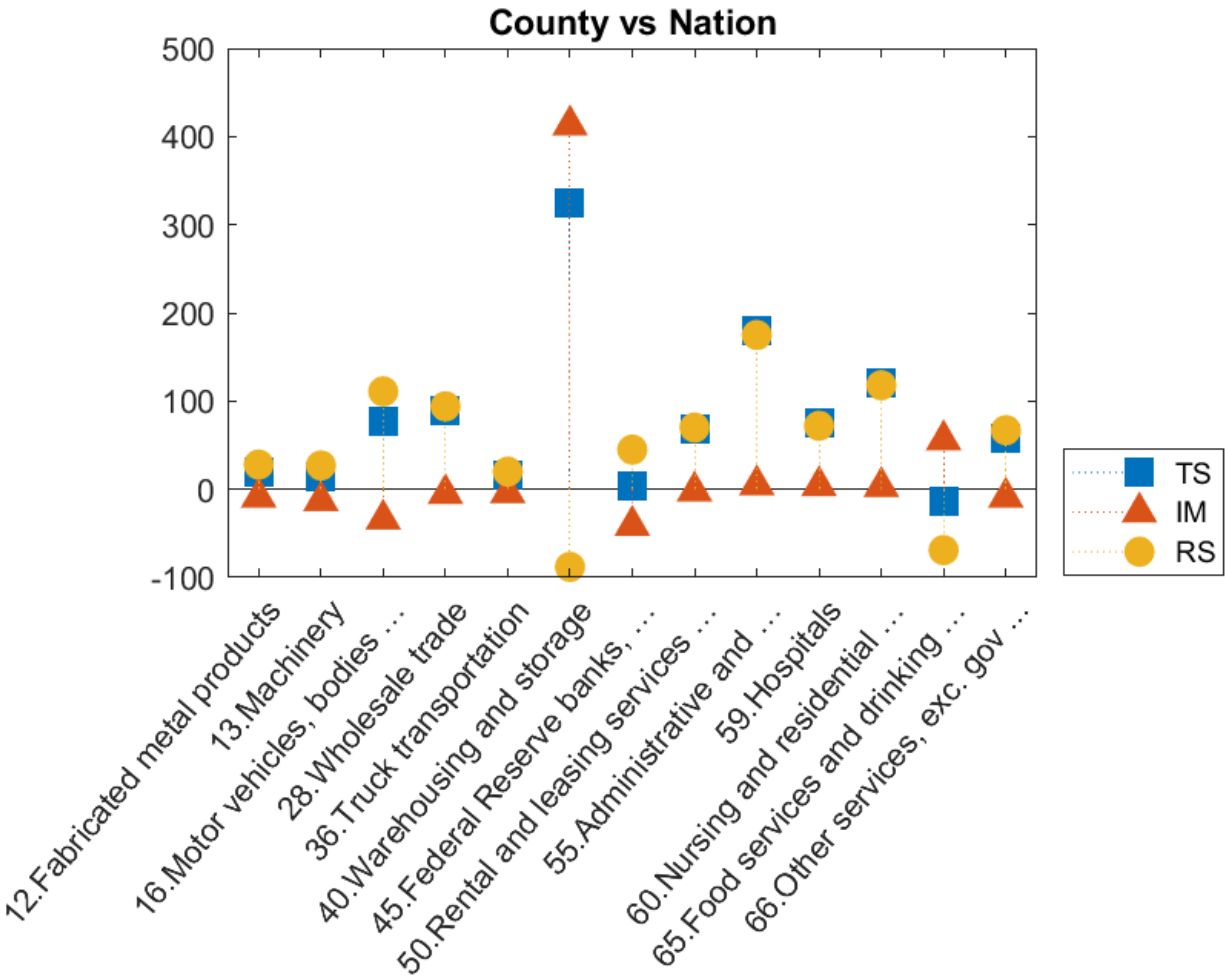
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Marshall County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Marshall County, Mississippi vs the U.S.

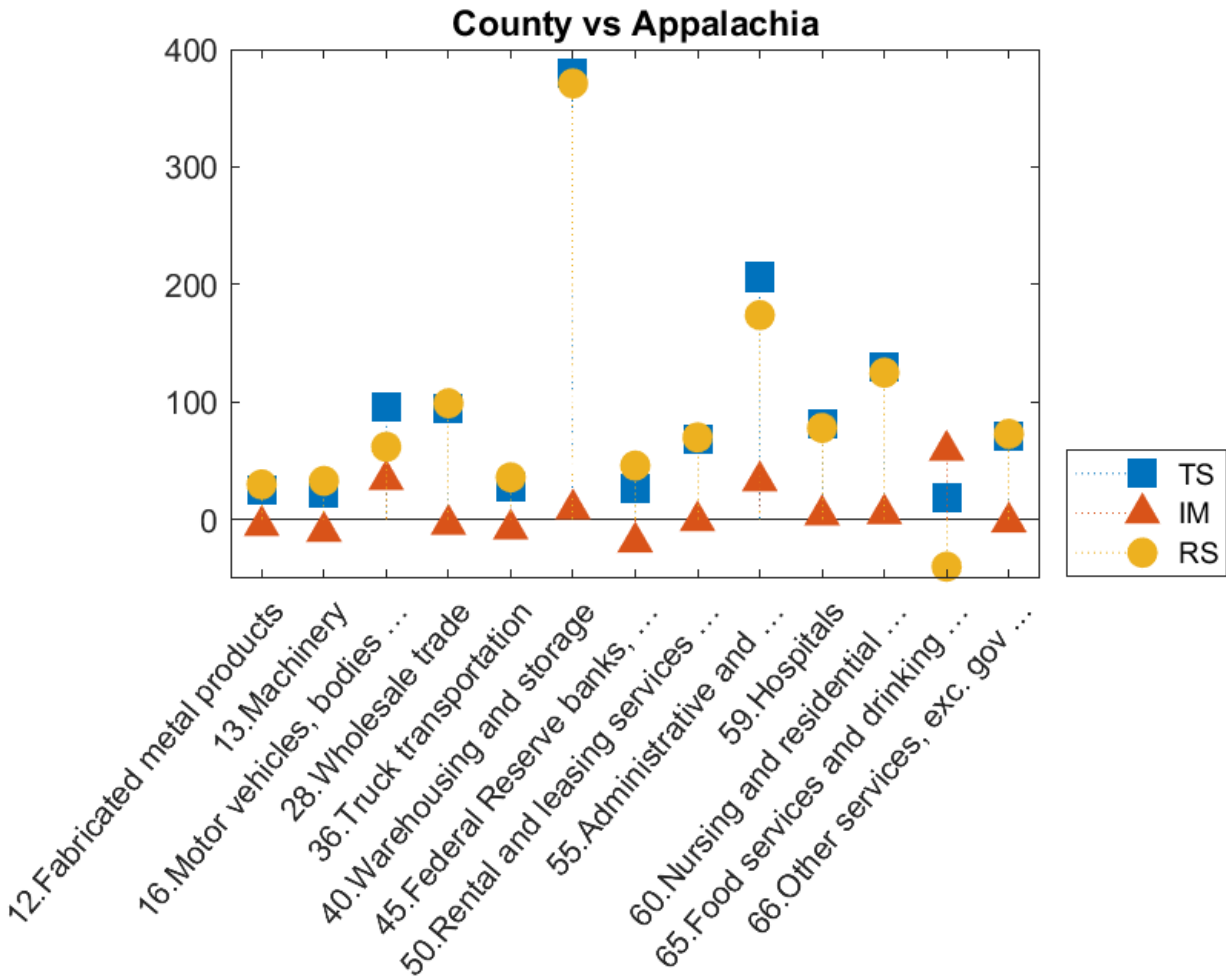


Chapter 11. Marshall County, Mississippi

Marshall County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	7	19	-9	28	90
13	Machinery	9	14	-13	27	102
16	Motor vehicles, bodies ...	19	77	-34	111	263
28	Wholesale trade	6	89	-5	94	151
36	Truck transportation	13	16	-4	20	147
40	Warehousing and storage	56	325	413	-88	876
45	Federal Reserve banks, ...	24	4	-41	45	241
50	Rental and leasing services ...	1	68	-2	70	79
55	Administrative and ...	27	180	5	175	452
59	Hospitals	8	76	4	72	150
60	Nursing and residential ...	8	121	3	118	204
65	Food services and drinking ...	33	-13	56	-69	314
66	Other services, exc. gov ...	13	58	-9	67	182

Selected SSA Components for Marshall County, Mississippi vs the Appalachian Region

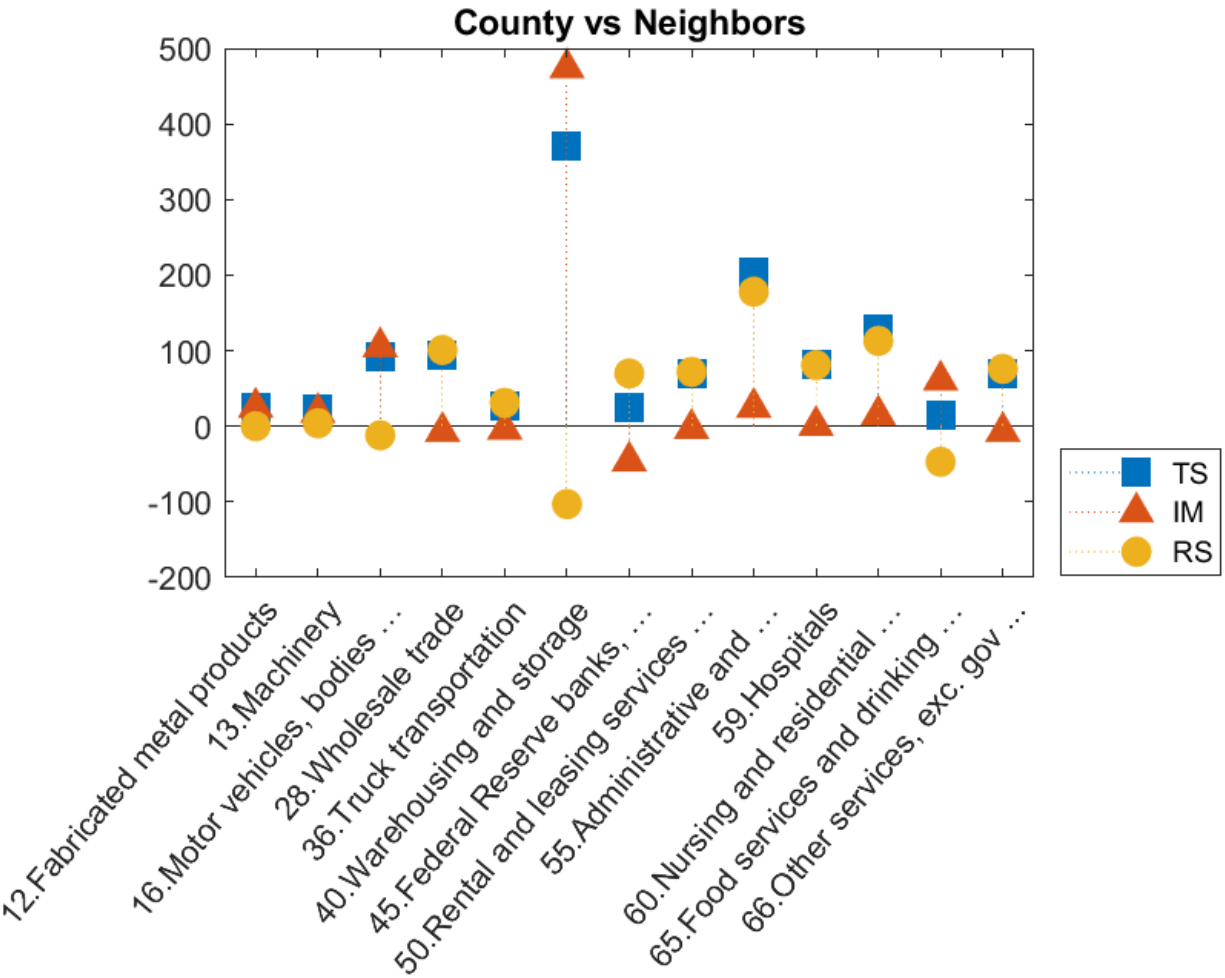


Chapter 11. Marshall County, Mississippi

Selected SSA Components for Marshall County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	0	25	-5	30	90
13	Machinery	0	23	-10	33	102
16	Motor vehicles, bodies ...	1	96	34	62	263
28	Wholesale trade	0	95	-4	99	151
36	Truck transportation	0	28	-8	36	147
40	Warehousing and storage	2	380	9	371	876
45	Federal Reserve banks, ...	1	27	-19	46	241
50	Rental and leasing services ...	0	69	-1	70	79
55	Administrative and ...	1	207	33	174	452
59	Hospitals	0	82	4	78	150
60	Nursing and residential ...	0	130	5	125	204
65	Food services and drinking ...	1	19	59	-40	314
66	Other services, exc. gov ...	0	71	-2	73	182

Selected SSA Components for Marshall County, Mississippi vs Neighbors



Chapter 11. Marshall County, Mississippi

Selected SSA Components for Marshall County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
12	Fabricated metal products	1	25	25	0	90
13	Machinery	2	22	18	4	102
16	Motor vehicles, bodies ...	3	93	105	-12	263
28	Wholesale trade	1	94	-7	101	151
36	Truck transportation	2	27	-4	31	147
40	Warehousing and storage	10	371	474	-103	876
45	Federal Reserve banks, ...	4	24	-46	70	241
50	Rental and leasing services ...	0	69	-3	72	79
55	Administrative and ...	5	203	25	178	452
59	Hospitals	1	82	1	81	150
60	Nursing and residential ...	2	128	15	113	204
65	Food services and drinking ...	6	14	61	-47	314
66	Other services, exc. gov ...	2	69	-7	76	182

Chapter 12. Monroe County, Mississippi

Employment in Monroe County, Mississippi, declined from 11,567 in 2005 to 9,682 in 2018, for a change of -1,885, or -16.3%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Monroe County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	1,309	-3,188	-810	-2,378
vs. Appalachia	37	-1,919	-830	-1,089
vs. Neighbors	-587	-1,292	638	-1,930

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Monroe County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 12. Monroe County, Mississippi

Industry Group Membership for Monroe County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B V e iii	yes	no	no	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
58	Ambulatory health care ...	B II a i	yes	yes	yes	yes
61	Social assistance	B II b ii	yes	yes	yes	yes
65	Food services and drinking ...	B V b ii	yes	no	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Monroe County, Mississippi vs. the United States

Groups a, b, and c are from Monroe County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Monroe County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Monroe County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Monroe County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Monroe County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Monroe County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

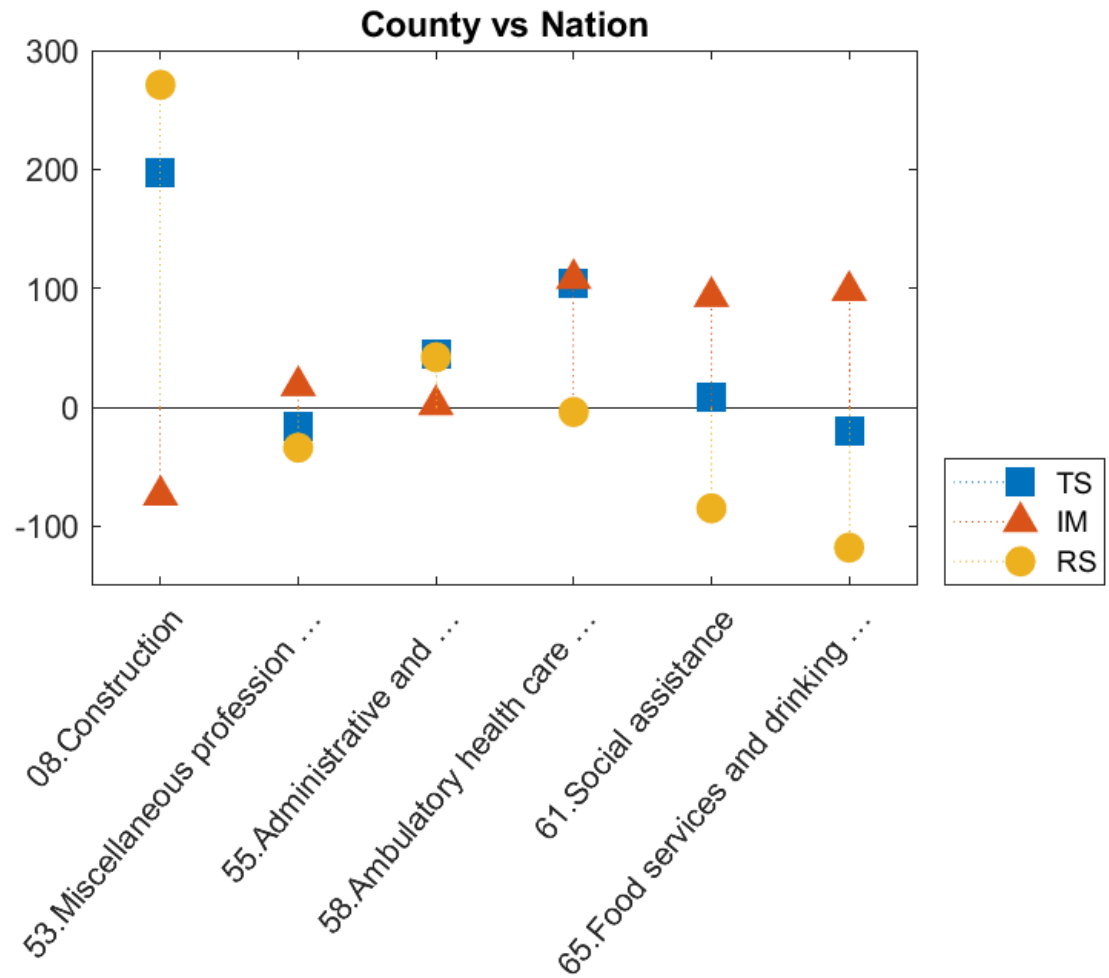
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Monroe County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Monroe County, Mississippi vs the U.S.

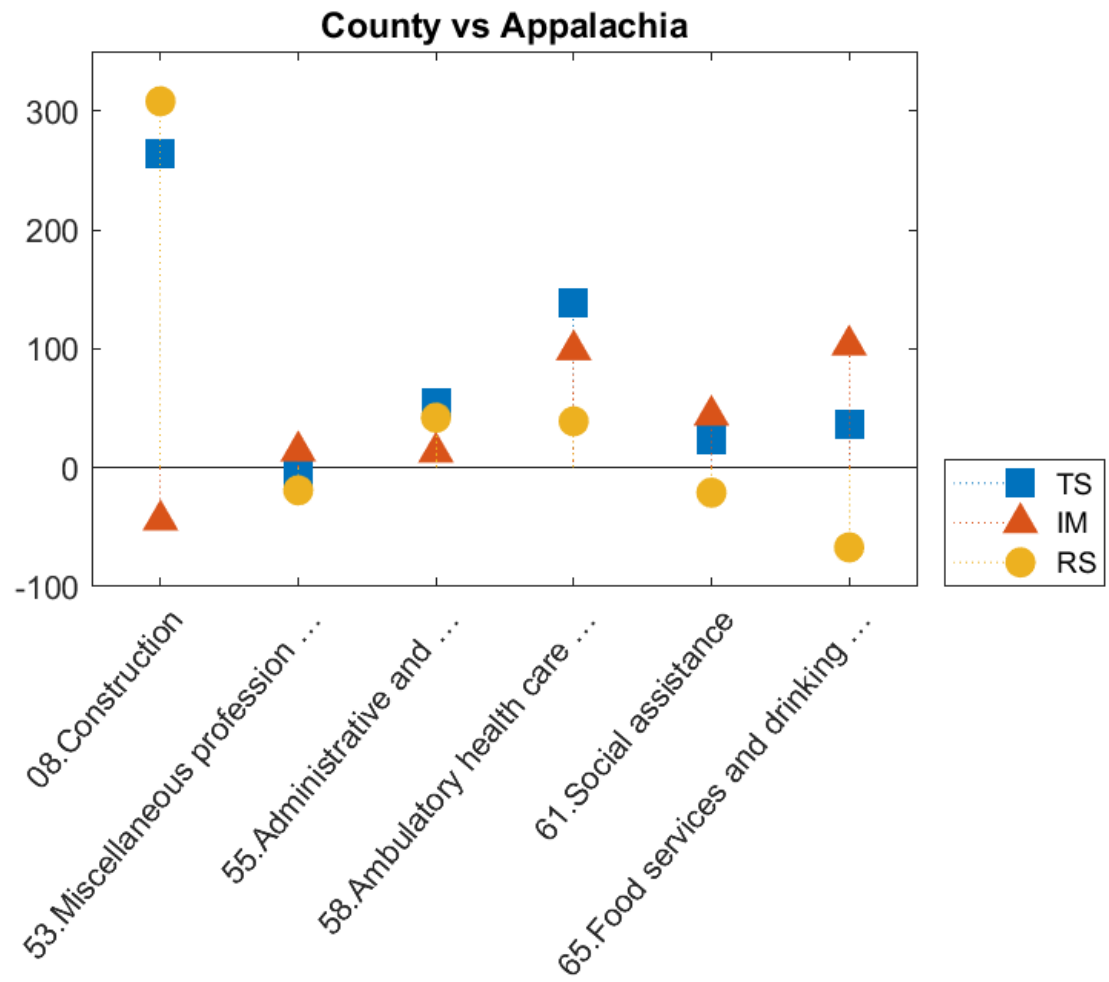


Chapter 12. Monroe County, Mississippi

Monroe County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	69	197	-74	271	878
53	Miscellaneous profession ...	12	-16	18	-34	99
55	Administrative and ...	11	44	2	42	148
58	Ambulatory health care ...	35	104	108	-4	447
61	Social assistance	16	8	93	-85	166
65	Food services and drinking ...	58	-20	98	-118	553

Selected SSA Components for Monroe County, Mississippi vs the Appalachian Region

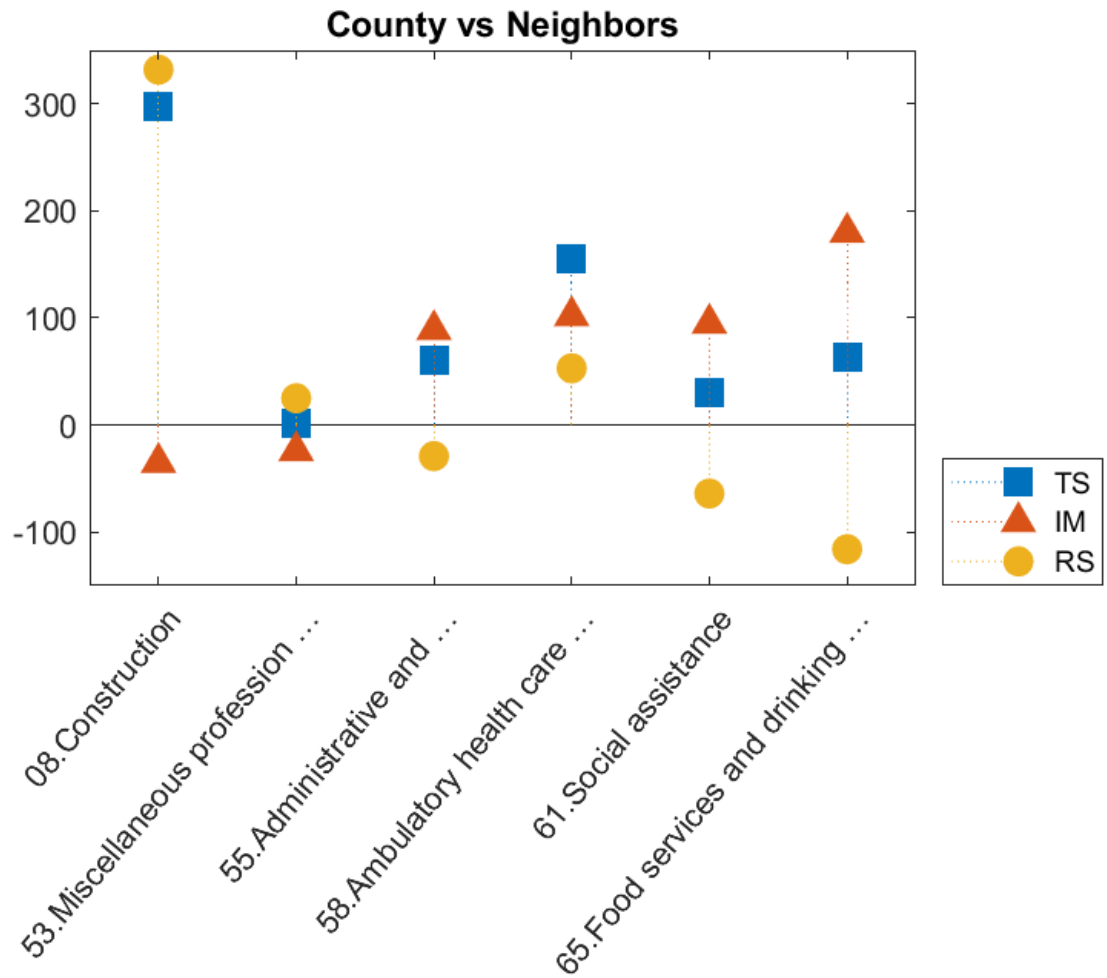


Chapter 12. Monroe County, Mississippi

Selected SSA Components for Monroe County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	2	264	-44	308	878
53	Miscellaneous profession ...	0	-5	14	-19	99
55	Administrative and ...	0	55	13	42	148
58	Ambulatory health care ...	1	138	99	39	447
61	Social assistance	0	23	44	-21	166
65	Food services and drinking ...	2	36	103	-67	553

Selected SSA Components for Monroe County, Mississippi vs Neighbors



Chapter 12. Monroe County, Mississippi

Selected SSA Components for Monroe County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-31	297	-35	332	878
53	Miscellaneous profession ...	-5	1	-24	25	99
55	Administrative and ...	-5	60	89	-29	148
58	Ambulatory health care ...	-16	155	102	53	447
61	Social assistance	-7	31	95	-64	166
65	Food services and drinking ...	-26	64	180	-116	553

Chapter 13. Montgomery County, Mississippi

Employment in Montgomery County, Mississippi, declined from 2,902 in 2005 to 2,386 in 2018, for a change of -516, or -17.78%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Montgomery County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	330	-843	6	-849
vs. Appalachia	6	-527	53	-580
vs. Neighbors	-304	-213	-51	-162

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties – i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Montgomery County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 13. Montgomery County, Mississippi

Industry Group Membership for Montgomery County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
02	Forestry, fishing, and ...	E I c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
39	Other transportation ...	E I c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
55	Administrative and ...	A V b ii	yes	no	yes	yes
57	Educational services	F III a ii	no	yes	yes	yes
58	Ambulatory health care ...	B II b ii	yes	yes	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
64	Accommodation	A I b iii	yes	yes	yes	yes
65	Food services and drinking ...	B II b ii	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Montgomery County, Mississippi vs. the United States

Groups a, b, and c are from Montgomery County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Montgomery County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Montgomery County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Montgomery County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Montgomery County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Montgomery County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

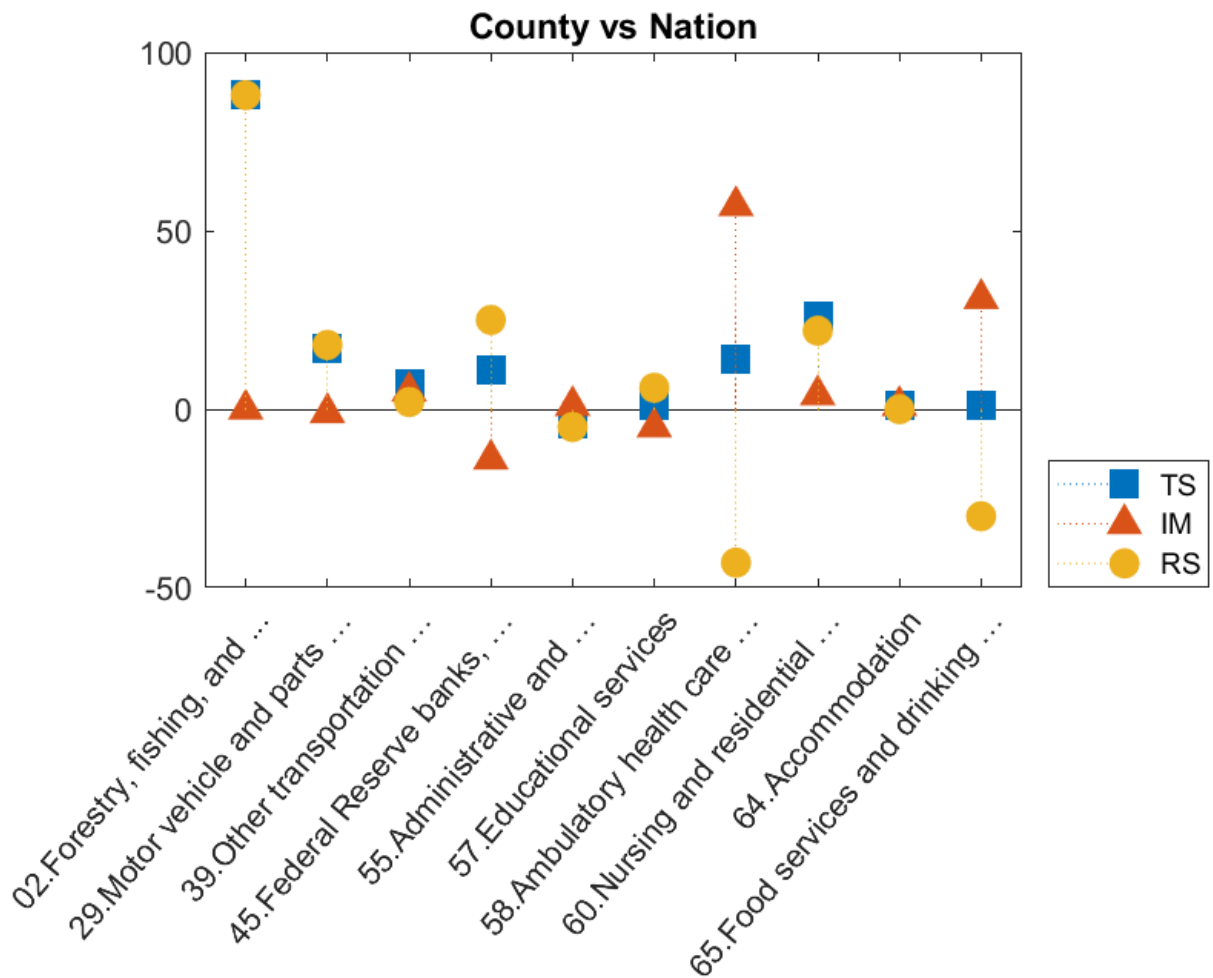
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Montgomery County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Montgomery County, Mississippi vs the U.S.

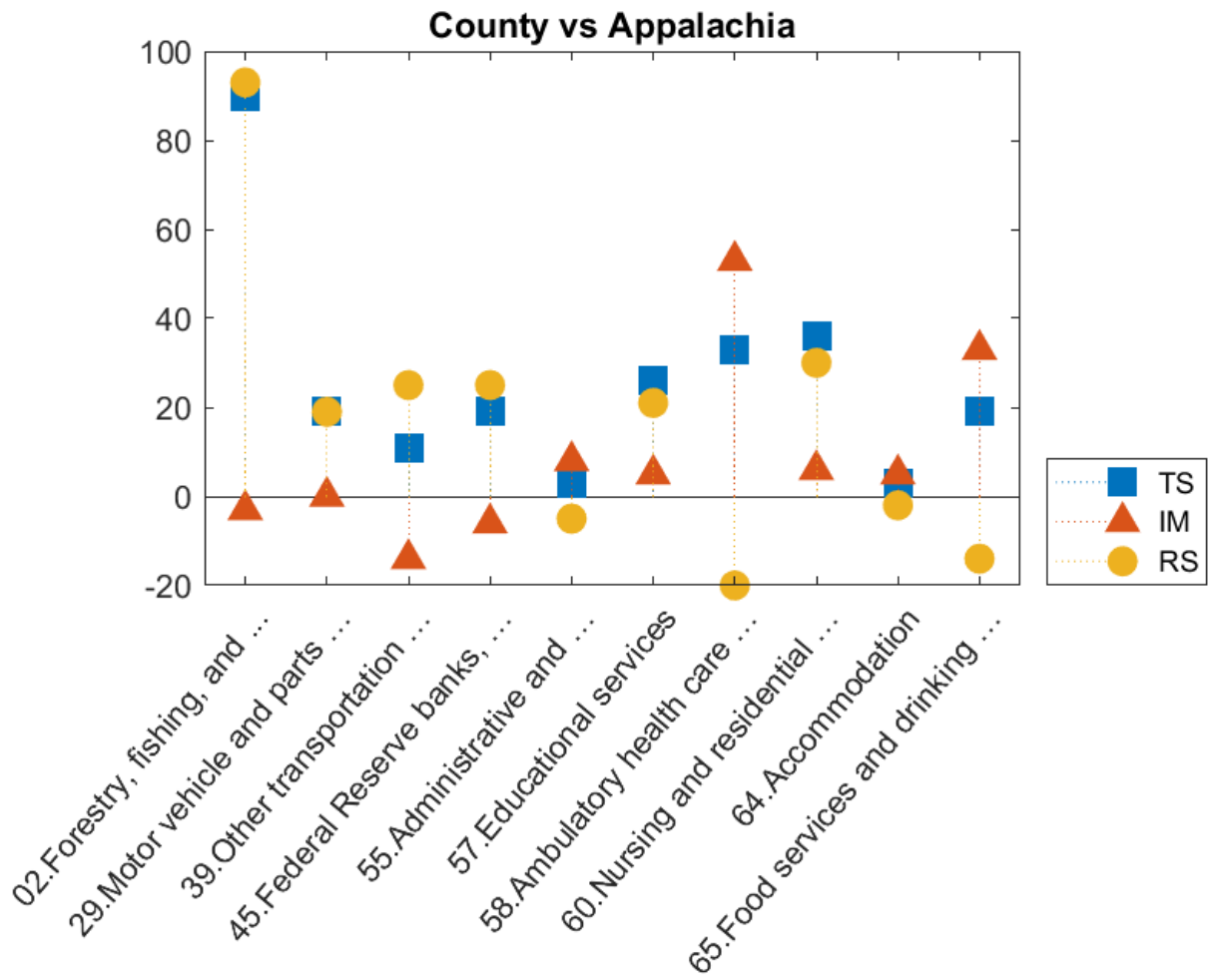


Chapter 13. Montgomery County, Mississippi

Montgomery County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	2	88	0	88	111
29	Motor vehicle and parts ...	2	17	-1	18	37
39	Other transportation ...	4	7	5	2	43
45	Federal Reserve banks, ...	8	11	-14	25	91
55	Administrative and ...	7	-4	1	-5	62
57	Educational services	25	1	-5	6	244
58	Ambulatory health care ...	18	14	57	-43	196
60	Nursing and residential ...	10	26	4	22	123
64	Accommodation	3	1	1	0	28
65	Food services and drinking ...	18	1	31	-30	182

Selected SSA Components for Montgomery County, Mississippi vs the Appalachian Region

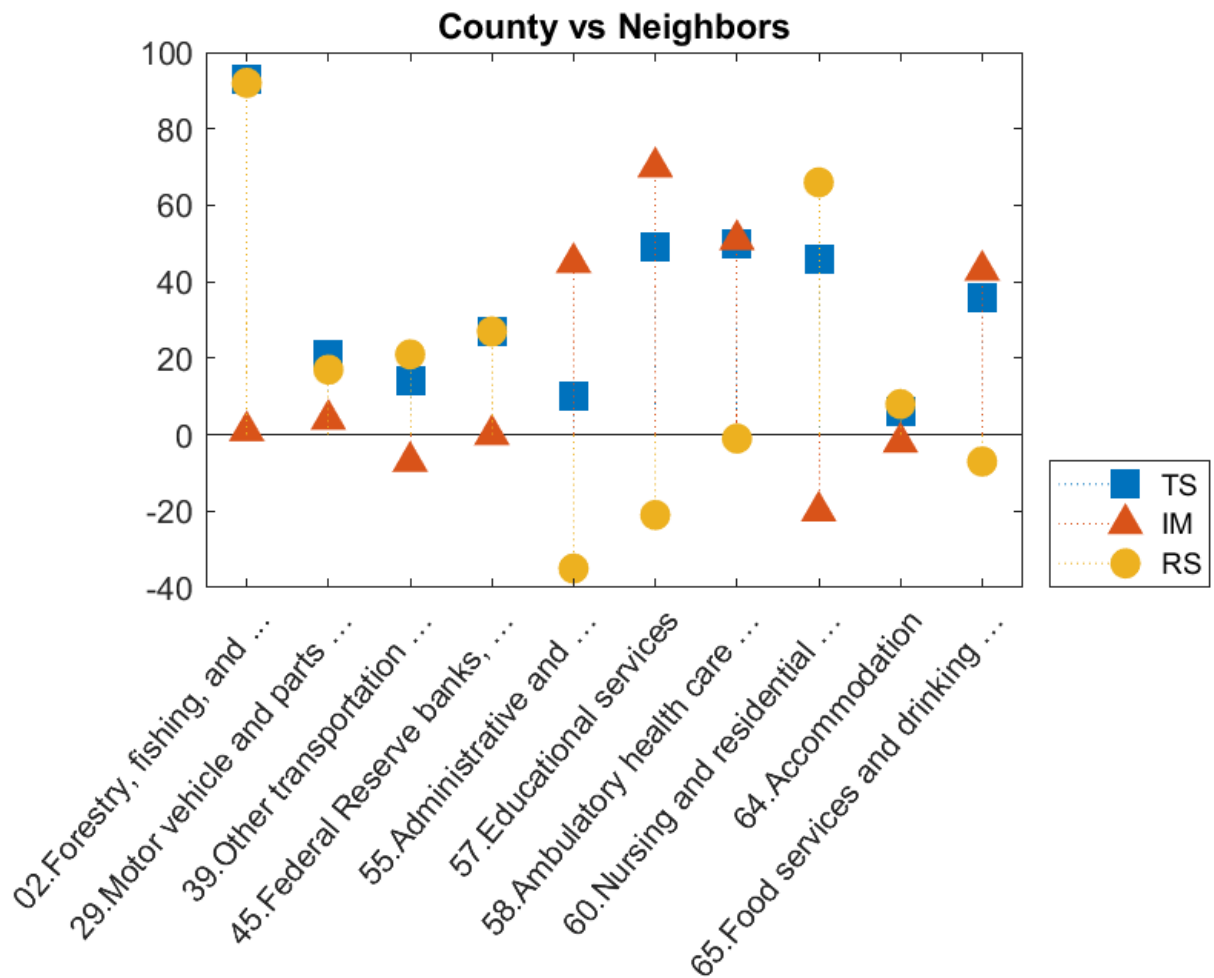


Chapter 13. Montgomery County, Mississippi

Selected SSA Components for Montgomery County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	0	90	-3	93	111
29	Motor vehicle and parts ...	0	19	0	19	37
39	Other transportation ...	0	11	-14	25	43
45	Federal Reserve banks, ...	0	19	-6	25	91
55	Administrative and ...	0	3	8	-5	62
57	Educational services	1	26	5	21	244
58	Ambulatory health care ...	1	33	53	-20	196
60	Nursing and residential ...	0	36	6	30	123
64	Accommodation	0	3	5	-2	28
65	Food services and drinking ...	1	19	33	-14	182

Selected SSA Components for Montgomery County, Mississippi vs Neighbors



Chapter 13. Montgomery County, Mississippi

Selected SSA Components for Montgomery County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	-2	93	1	92	111
29	Motor vehicle and parts ...	-2	21	4	17	37
39	Other transportation ...	-3	14	-7	21	43
45	Federal Reserve banks, ...	-8	27	-0	27	91
55	Administrative and ...	-6	10	45	-35	62
57	Educational services	-23	49	70	-21	244
58	Ambulatory health care ...	-17	50	51	-1	196
60	Nursing and residential ...	-9	46	-20	66	123
64	Accommodation	-3	6	-2	8	28
65	Food services and drinking ...	-17	36	43	-7	182

Chapter 14. Noxubee County, Mississippi

Employment in Noxubee County, Mississippi, declined from 3,241 in 2005 to 2,507 in 2018, for a change of -734, or -22.65%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Noxubee County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	365	-1,096	-138	-958
vs. Appalachia	8	-742	-148	-594
vs. Neighbors	-38	-697	-276	-421

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Noxubee County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 14. Noxubee County, Mississippi

Industry Group Membership for Noxubee County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
13	Machinery	F III c i	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
57	Educational services	F III a iii	no	yes	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
61	Social assistance	B II b ii	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Noxubee County, Mississippi vs. the United States

Groups a, b, and c are from Noxubee County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Noxubee County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Noxubee County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Noxubee County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Noxubee County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Noxubee County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

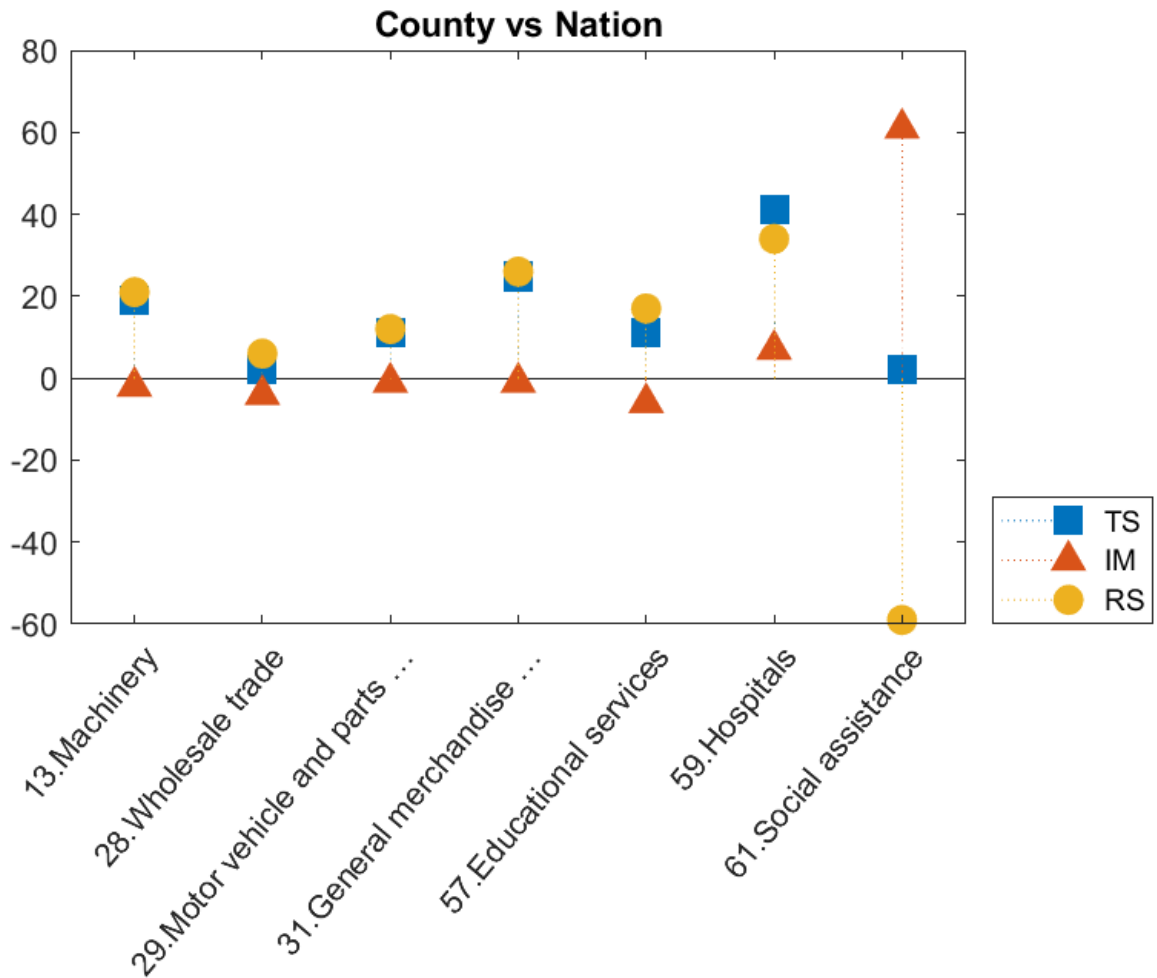
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Noxubee County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Noxubee County, Mississippi vs the U.S.

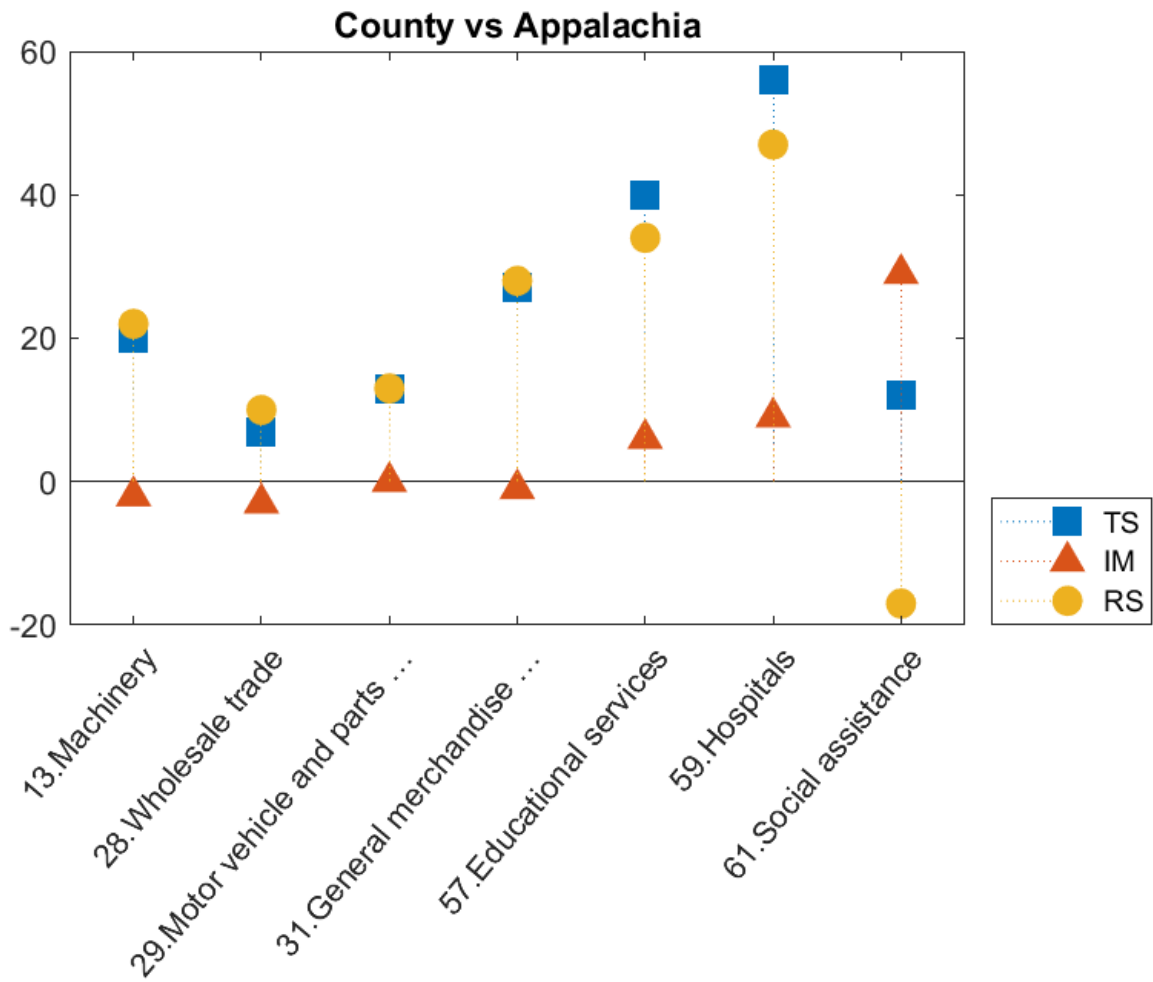


Chapter 14. Noxubee County, Mississippi

Noxubee County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	1	19	-2	21	32
28	Wholesale trade	5	2	-4	6	51
29	Motor vehicle and parts ...	2	11	-1	12	30
31	General merchandise ...	3	25	-1	26	50
57	Educational services	29	11	-6	17	303
59	Hospitals	15	41	7	34	190
61	Social assistance	11	2	61	-59	106

Selected SSA Components for Noxubee County, Mississippi vs the Appalachian Region

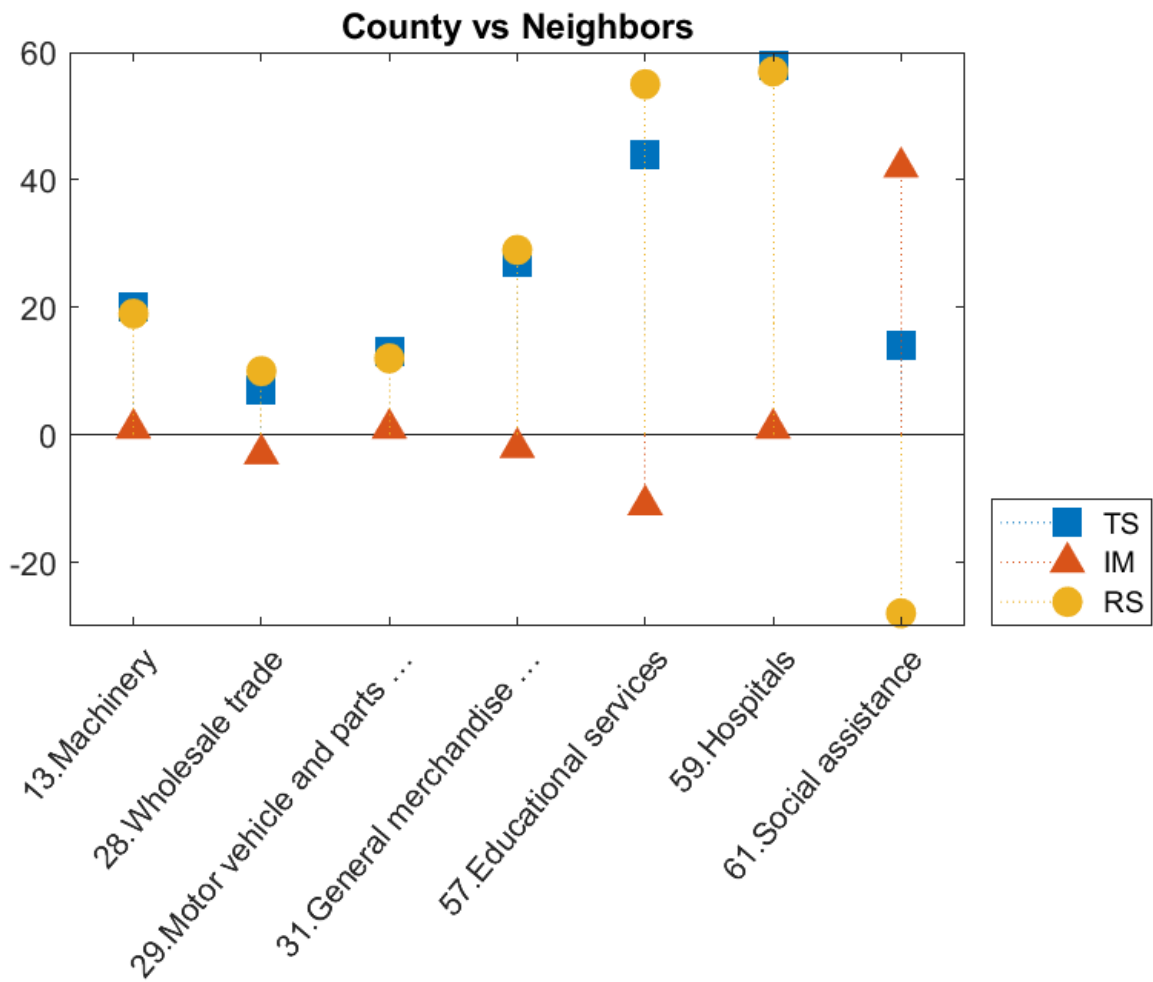


Chapter 14. Noxubee County, Mississippi

Selected SSA Components for Noxubee County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	0	20	-2	22	32
28	Wholesale trade	0	7	-3	10	51
29	Motor vehicle and parts ...	0	13	0	13	30
31	General merchandise ...	0	27	-1	28	50
57	Educational services	1	40	6	34	303
59	Hospitals	0	56	9	47	190
61	Social assistance	0	12	29	-17	106

Selected SSA Components for Noxubee County, Mississippi vs Neighbors



Chapter 14. Noxubee County, Mississippi

Selected SSA Components for Noxubee County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	-0	20	1	19	32
28	Wholesale trade	-1	7	-3	10	51
29	Motor vehicle and parts ...	-0	13	1	12	30
31	General merchandise ...	-0	27	-2	29	50
57	Educational services	-3	44	-11	55	303
59	Hospitals	-2	58	1	57	190
61	Social assistance	-1	14	42	-28	106

Chapter 15. Oktibbeha County, Mississippi

Employment in Oktibbeha County, Mississippi, grew from 13,499 in 2005 to 15,489 in 2018, for a change of 1,990, or 14.74%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Oktibbeha County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	1,523	462	-47	509
vs. Appalachia	45	1,944	406	1,538
vs. Neighbors	-407	2,399	1,670	729

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Oktibbeha County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 15. Oktibbeha County, Mississippi

Industry Group Membership for Oktibbeha County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
08	Construction	F III c iii	no	yes	yes	yes
14	Computer and electronic ...	F III c i	no	yes	yes	yes
18	Furniture and related ...	F III c iii	no	yes	yes	yes
19	Miscellaneous manufac ...	F III c iii	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
31	General merchandise ...	F III c i	no	yes	yes	yes
32	Other retail	F III c iii	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c iii	no	yes	yes	yes
49	Real estate	F I a i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
61	Social assistance	B II a ii	yes	yes	yes	yes
64	Accommodation	A I a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Oktibbeha County, Mississippi vs. the United States

Groups a, b, and c are from Oktibbeha County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Oktibbeha County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Oktibbeha County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Oktibbeha County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Oktibbeha County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Oktibbeha County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

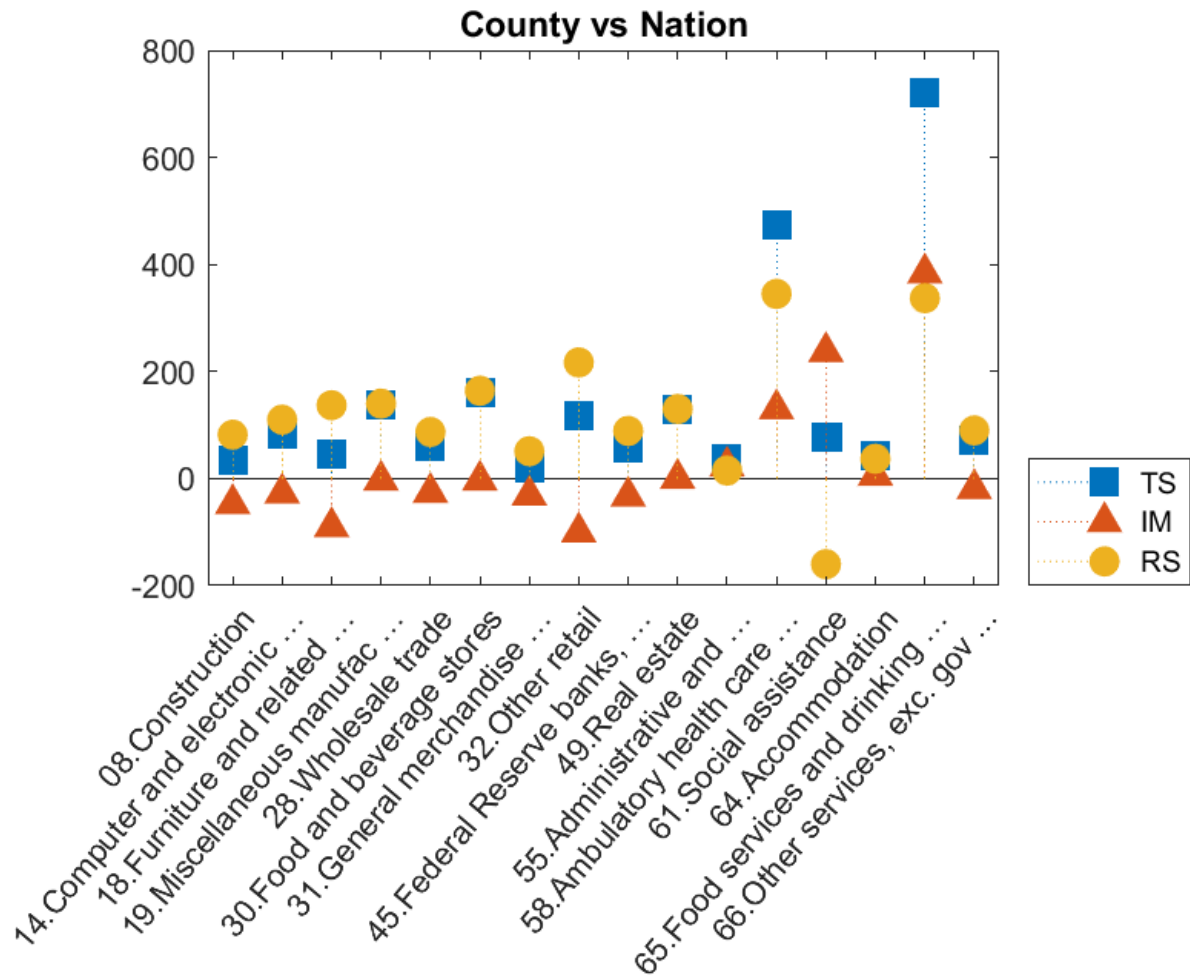
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Oktibbeha County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Oktibbeha County, Mississippi vs the U.S.

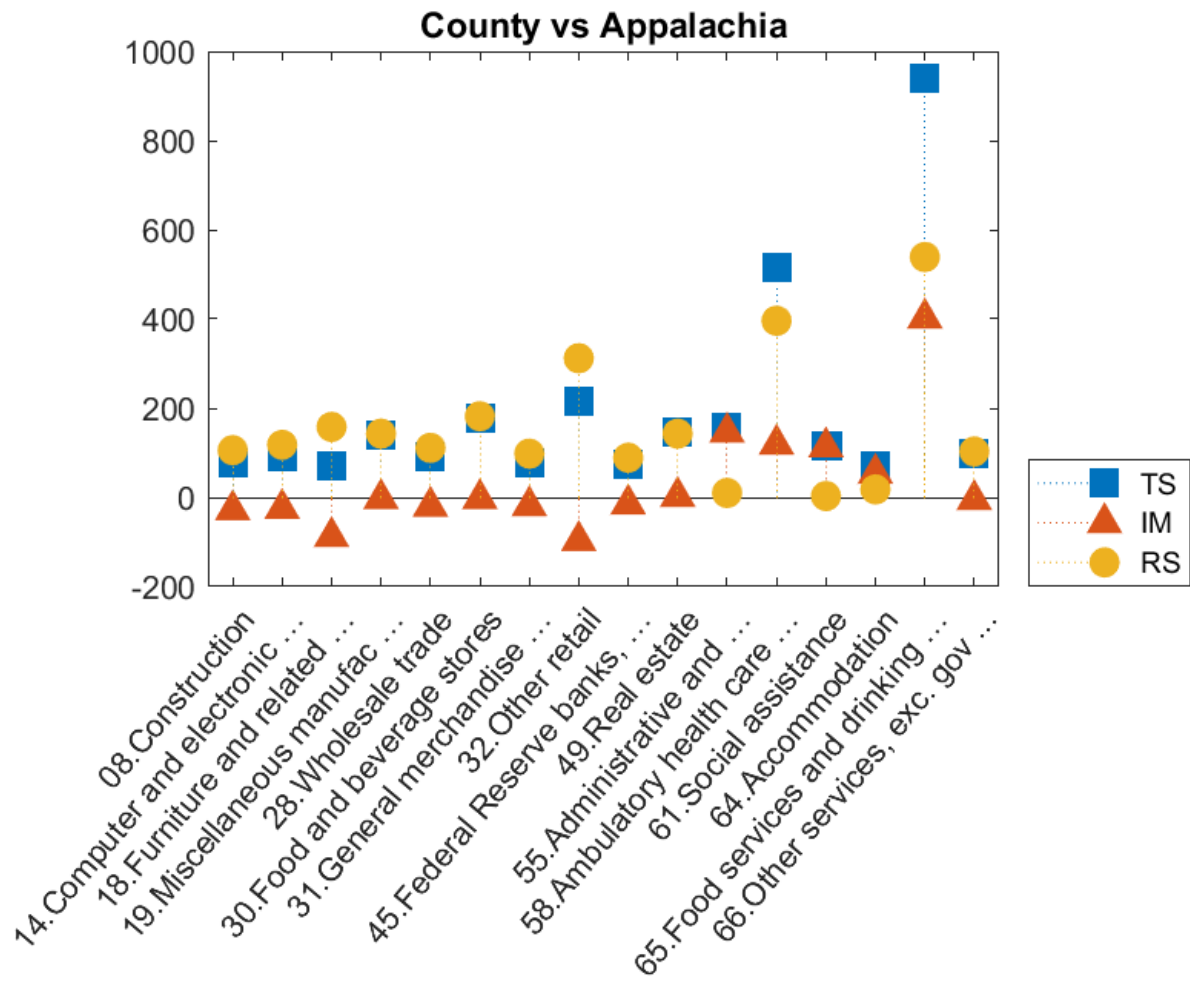


Chapter 15. Oktibbeha County, Mississippi

Oktibbeha County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	44	35	-47	82	469
14	Computer and electronic ...	10	83	-27	110	182
18	Furniture and related ...	24	47	-90	137	287
19	Miscellaneous manufac ...	2	137	-3	140	155
28	Wholesale trade	31	61	-26	87	365
30	Food and beverage stores	18	161	-3	164	342
31	General merchandise ...	61	20	-31	51	622
32	Other retail	100	117	-100	217	1,109
45	Federal Reserve banks, ...	19	56	-33	89	245
49	Real estate	16	130	-0	130	288
55	Administrative and ...	121	38	23	15	1,234
58	Ambulatory health care ...	42	475	130	345	886
61	Social assistance	41	77	237	-160	478
64	Accommodation	30	43	6	37	338
65	Food services and drinking ...	227	721	384	337	2,961
66	Other services, exc. gov ...	28	71	-19	90	346

Selected SSA Components for Oktibbeha County, Mississippi vs the Appalachian Region

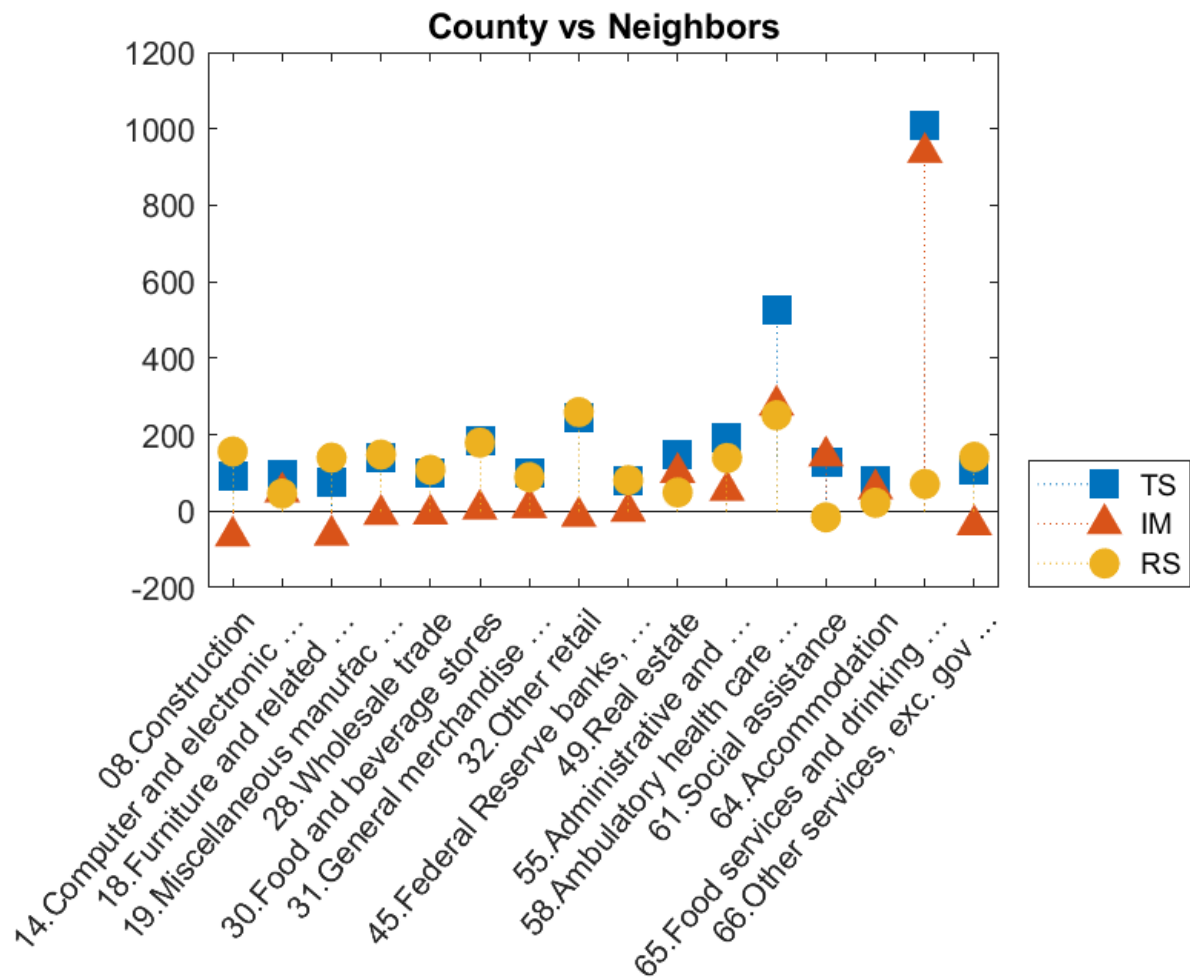


Chapter 15. Oktibbeha County, Mississippi

Selected SSA Components for Oktibbeha County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	1	78	-28	106	469
14	Computer and electronic ...	0	93	-25	118	182
18	Furniture and related ...	1	70	-88	158	287
19	Miscellaneous manufac ...	0	140	-3	143	155
28	Wholesale trade	1	91	-20	111	365
30	Food and beverage stores	1	179	-3	182	342
31	General merchandise ...	2	79	-19	98	622
32	Other retail	3	215	-97	312	1,109
45	Federal Reserve banks, ...	1	74	-15	89	245
49	Real estate	0	145	2	143	288
55	Administrative and ...	4	156	146	10	1,234
58	Ambulatory health care ...	1	515	119	396	886
61	Social assistance	1	116	113	3	478
64	Accommodation	1	72	54	18	338
65	Food services and drinking ...	7	941	402	539	2,961
66	Other services, exc. gov ...	1	98	-5	103	346

Selected SSA Components for Oktibbeha County, Mississippi vs Neighbors



Chapter 15. Oktibbeha County, Mississippi

Selected SSA Components for Oktibbeha County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
08	Construction	-12	91	-65	156	469
14	Computer and electronic ...	-3	96	50	46	182
18	Furniture and related ...	-7	77	-63	140	287
19	Miscellaneous manufac ...	-0	139	-9	148	155
28	Wholesale trade	-8	100	-8	108	365
30	Food and beverage stores	-5	184	5	179	342
31	General merchandise ...	-16	98	9	89	622
32	Other retail	-27	245	-14	259	1,109
45	Federal Reserve banks, ...	-5	80	-1	81	245
49	Real estate	-4	150	101	49	288
55	Administrative and ...	-33	193	54	139	1,234
58	Ambulatory health care ...	-11	528	277	251	886
61	Social assistance	-11	128	144	-16	478
64	Accommodation	-8	80	58	22	338
65	Food services and drinking ...	-61	1,009	938	71	2,961
66	Other services, exc. gov ...	-8	106	-36	142	346

Chapter 16. Panola County, Mississippi

Employment in Panola County, Mississippi, declined from 11,122 in 2005 to 10,436 in 2018, for a change of -686, or -6.17%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Panola County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	1,251	-1,940	-255	-1,685
vs. Appalachia	34	-723	-192	-531
vs. Neighbors	-1,013	324	1,384	-1,060

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Panola County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 16. Panola County, Mississippi

Industry Group Membership for Panola County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
17	Other transportation ...	F I a i	no	yes	yes	yes
18	Furniture and related ...	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
39	Other transportation ...	E II c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
58	Ambulatory health care ...	B II a ii	yes	yes	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
61	Social assistance	B V e ii	yes	no	no	yes
64	Accommodation	A I a iii	yes	yes	yes	yes
65	Food services and drinking ...	B II a i	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Panola County, Mississippi vs. the United States

Groups a, b, and c are from Panola County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Panola County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Panola County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Panola County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Panola County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Panola County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

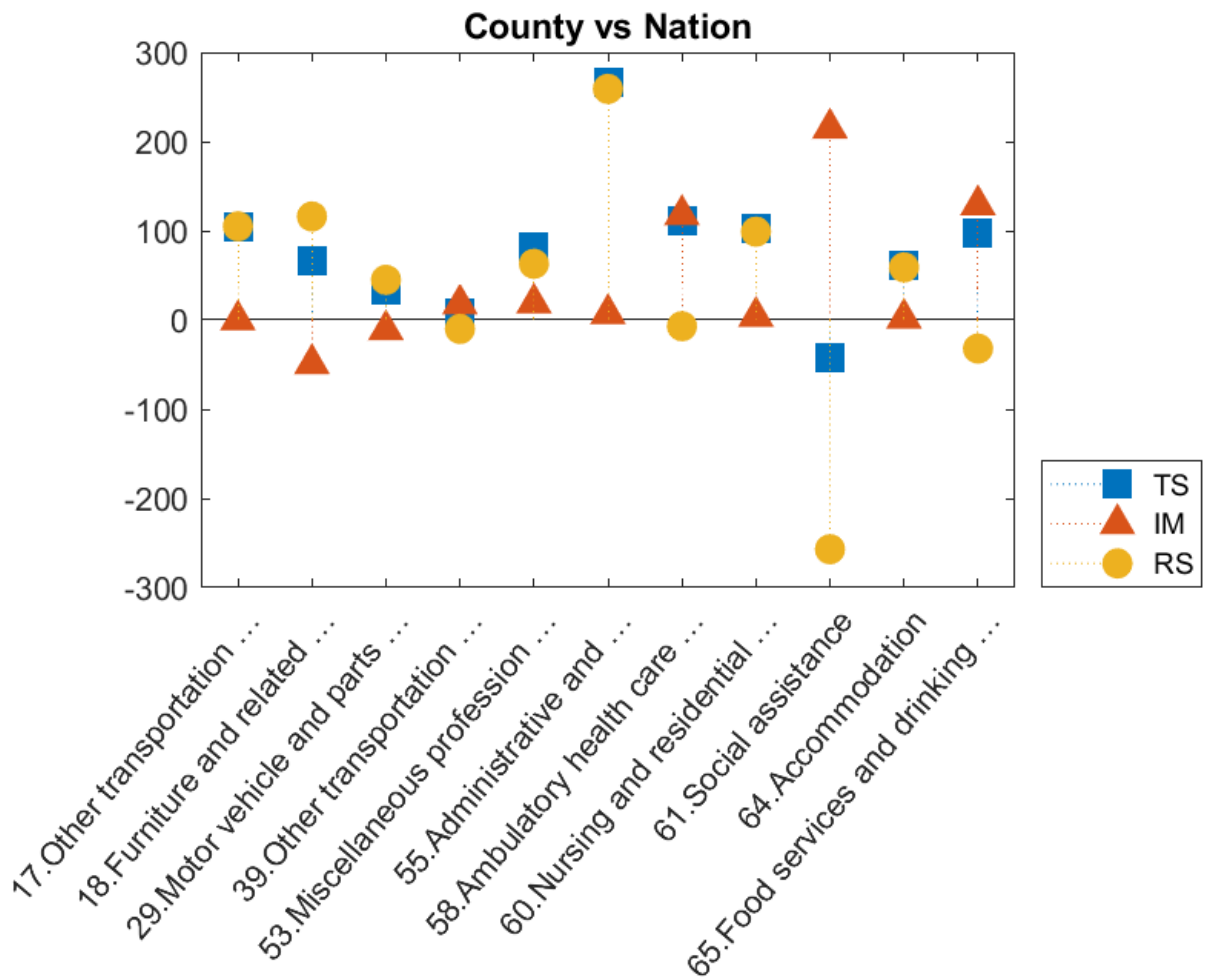
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Panola County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Panola County, Mississippi vs the U.S.

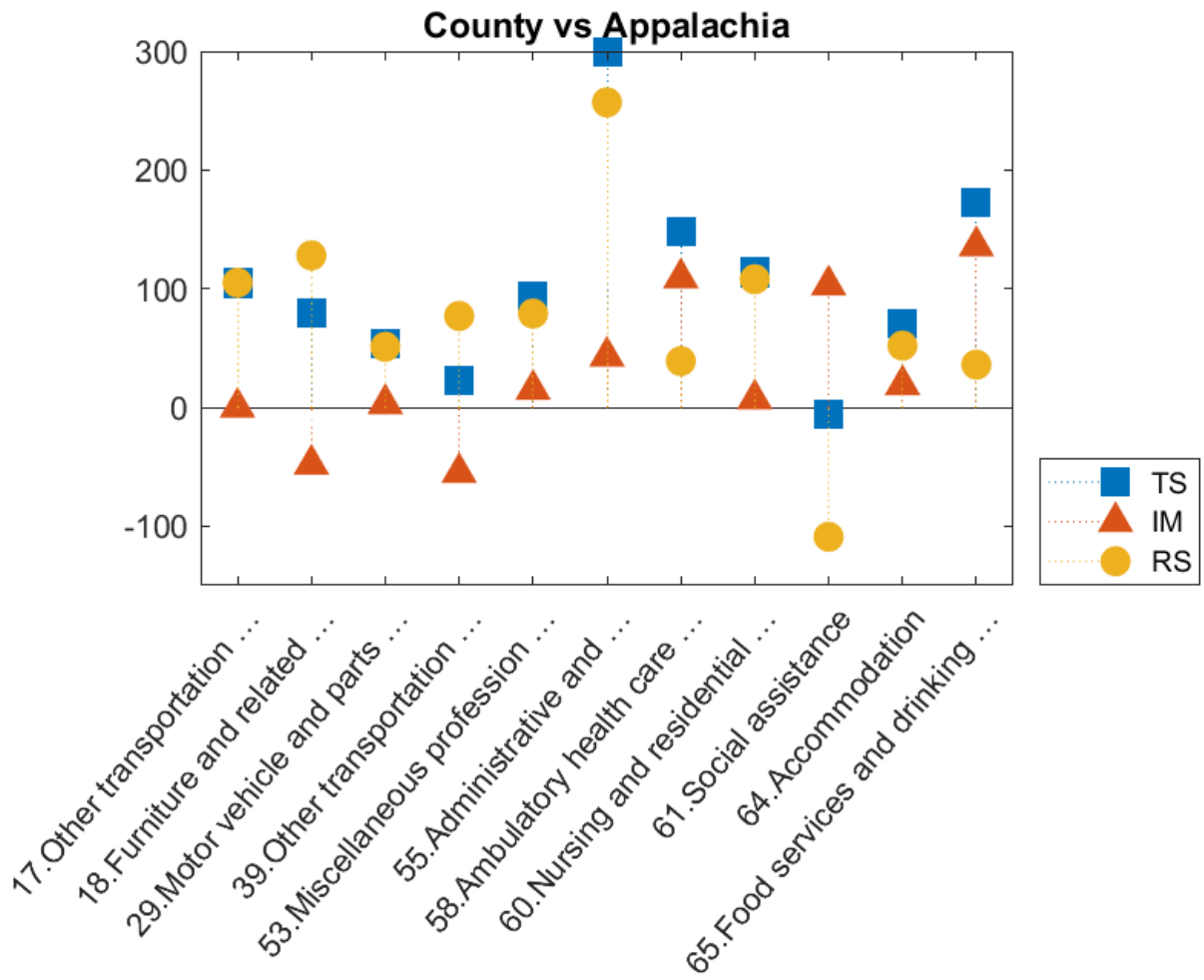


Chapter 16. Panola County, Mississippi

Panola County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
17	Other transportation ...	0	105	0	105	105
18	Furniture and related ...	13	67	-49	116	199
29	Motor vehicle and parts ...	21	34	-11	45	237
39	Other transportation ...	14	8	18	-10	150
53	Miscellaneous profession ...	13	82	19	63	209
55	Administrative and ...	35	266	7	259	614
58	Ambulatory health care ...	38	111	118	-7	485
60	Nursing and residential ...	11	103	4	99	217
61	Social assistance	37	-42	215	-257	323
64	Accommodation	11	61	2	59	168
65	Food services and drinking ...	77	97	129	-32	853

Selected SSA Components for Panola County, Mississippi vs the Appalachian Region

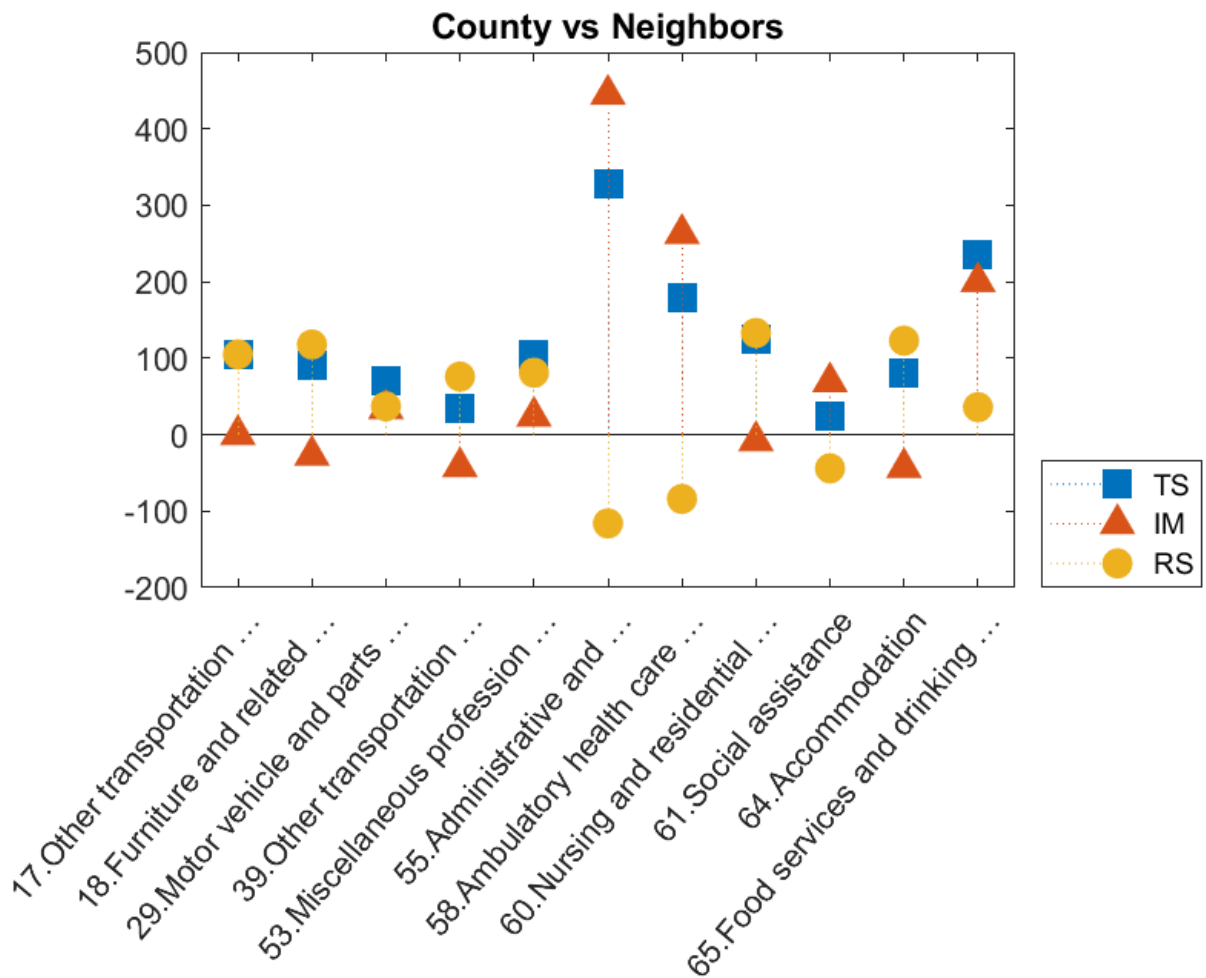


Chapter 16. Panola County, Mississippi

Selected SSA Components for Panola County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
17	Other transportation ...	0	105	0	105	105
18	Furniture and related ...	0	80	-48	128	199
29	Motor vehicle and parts ...	1	54	3	51	237
39	Other transportation ...	0	22	-55	77	150
53	Miscellaneous profession ...	0	94	15	79	209
55	Administrative and ...	1	300	43	257	614
58	Ambulatory health care ...	1	148	109	39	485
60	Nursing and residential ...	0	115	7	108	217
61	Social assistance	1	-6	103	-109	323
64	Accommodation	0	71	19	52	168
65	Food services and drinking ...	2	172	136	36	853

Selected SSA Components for Panola County, Mississippi vs Neighbors



Chapter 16. Panola County, Mississippi

Selected SSA Components for Panola County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
17	Other transportation ...	-0	105	0	105	105
18	Furniture and related ...	-11	91	-27	118	199
29	Motor vehicle and parts ...	-17	71	34	37	237
39	Other transportation ...	-12	34	-42	76	150
53	Miscellaneous profession ...	-10	105	24	81	209
55	Administrative and ...	-29	329	445	-116	614
58	Ambulatory health care ...	-31	179	263	-84	485
60	Nursing and residential ...	-9	125	-8	133	217
61	Social assistance	-30	25	69	-44	323
64	Accommodation	-9	80	-43	123	168
65	Food services and drinking ...	-62	236	200	36	853

Chapter 17. Pontotoc County, Mississippi

Employment in Pontotoc County, Mississippi, grew from 12,459 in 2005 to 12,517 in 2018, for a change of 58, or 0.47%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Pontotoc County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	1,406	-1,350	-2,369	1,019
vs. Appalachia	41	17	-2,563	2,580
vs. Neighbors	772	-711	-1,924	1,213

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Pontotoc County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 17. Pontotoc County, Mississippi

Industry Group Membership for Pontotoc County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
09	Wood products	F III c iii	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
31	General merchandise	F III c iii	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a iii	no	yes	yes	yes
61	Social assistance	B II a ii	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Pontotoc County, Mississippi vs. the United States

Groups a, b, and c are from Pontotoc County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Pontotoc County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Pontotoc County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Pontotoc County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Pontotoc County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Pontotoc County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

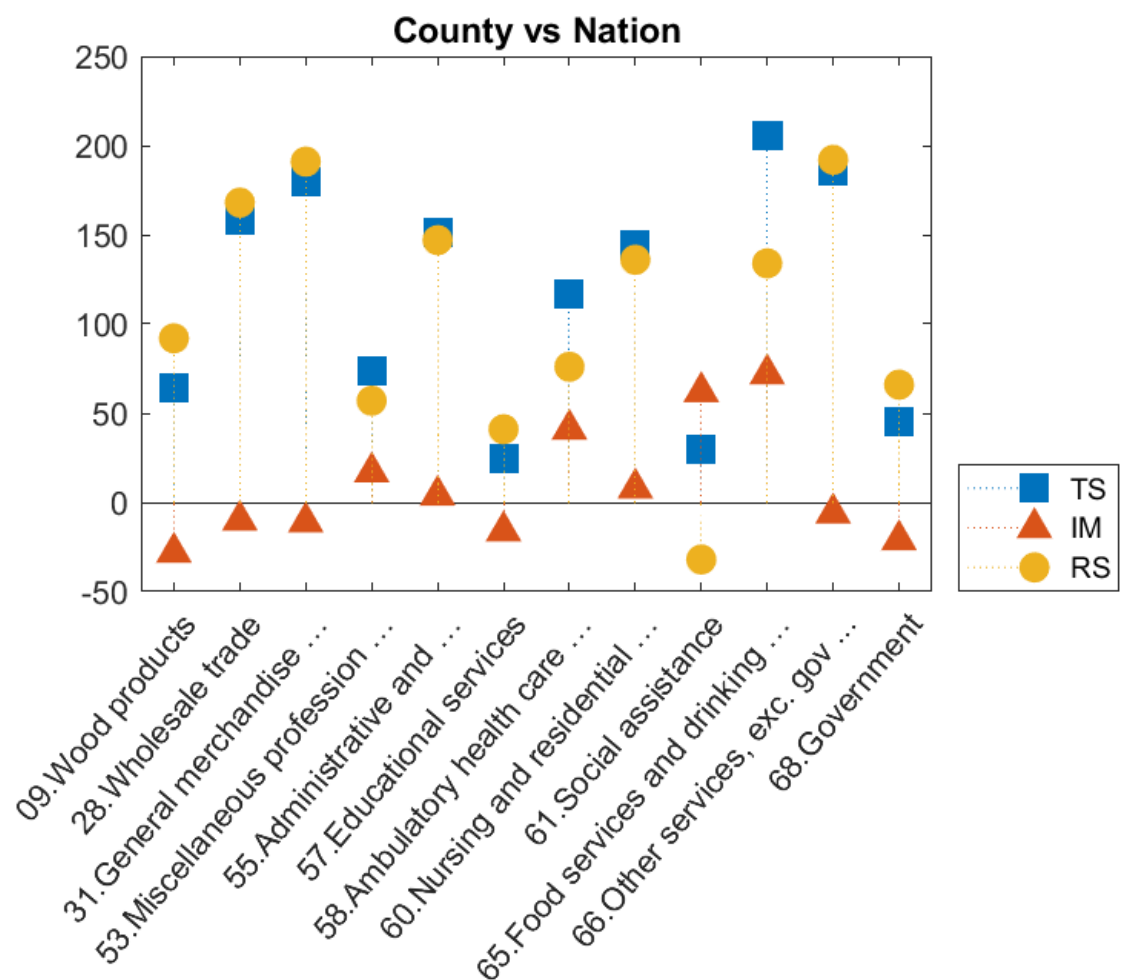
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Pontotoc County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Pontotoc County, Mississippi vs the U.S.

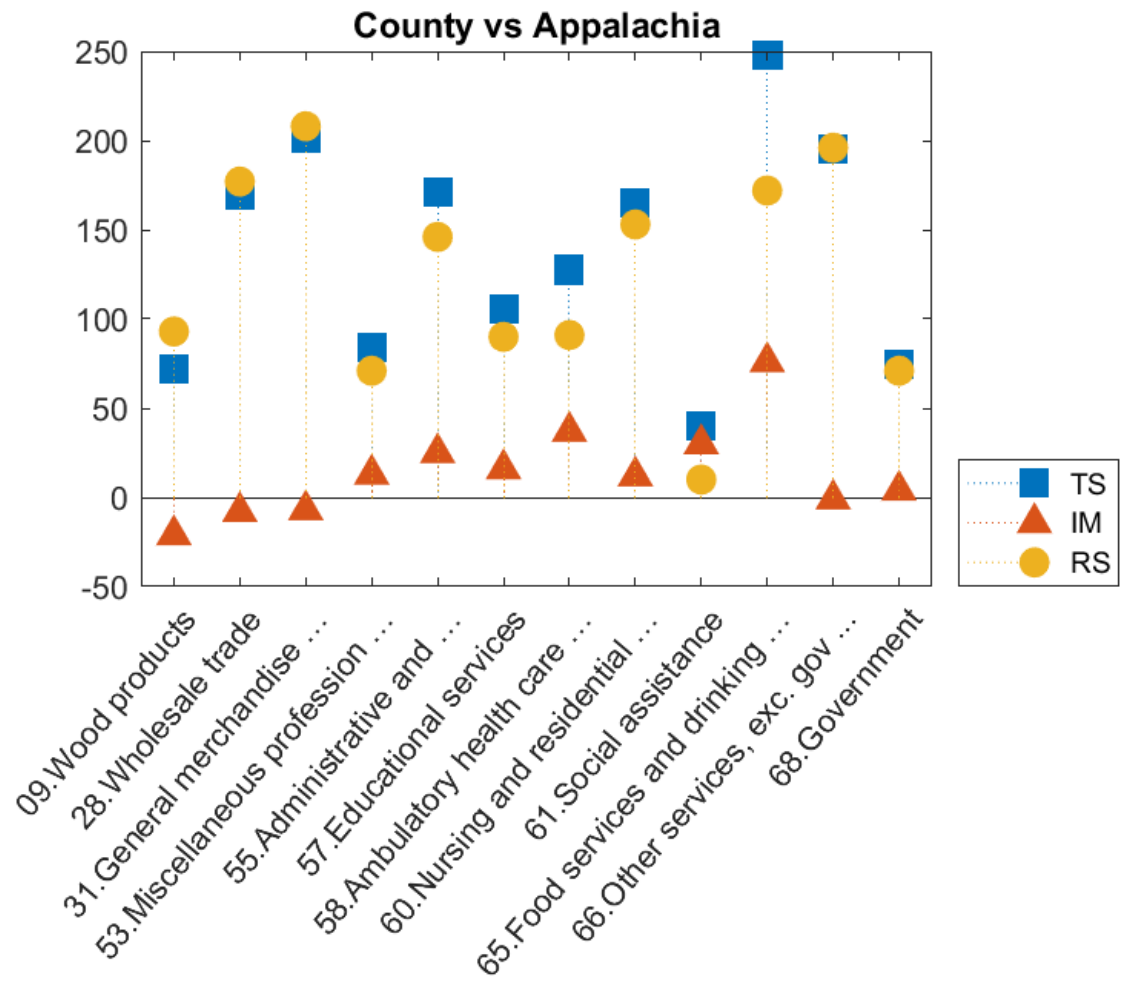


Chapter 17. Pontotoc County, Mississippi

Pontotoc County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	8	64	-28	92	143
28	Wholesale trade	12	158	-10	168	275
31	General merchandise	22	180	-11	191	395
...						
53	Miscellaneous profession ...	11	74	17	57	183
55	Administrative and ...	21	151	4	147	358
57	Educational services	83	25	-16	41	847
58	Ambulatory health care ...	13	117	41	76	245
60	Nursing and residential ...	21	144	8	136	350
61	Social assistance	11	30	62	-32	135
65	Food services and drinking ...	43	206	72	134	630
...						
66	Other services, exc. gov ...	9	186	-6	192	272
68	Government	31	45	-21	66	352

Selected SSA Components for Pontotoc County, Mississippi vs the Appalachian Region

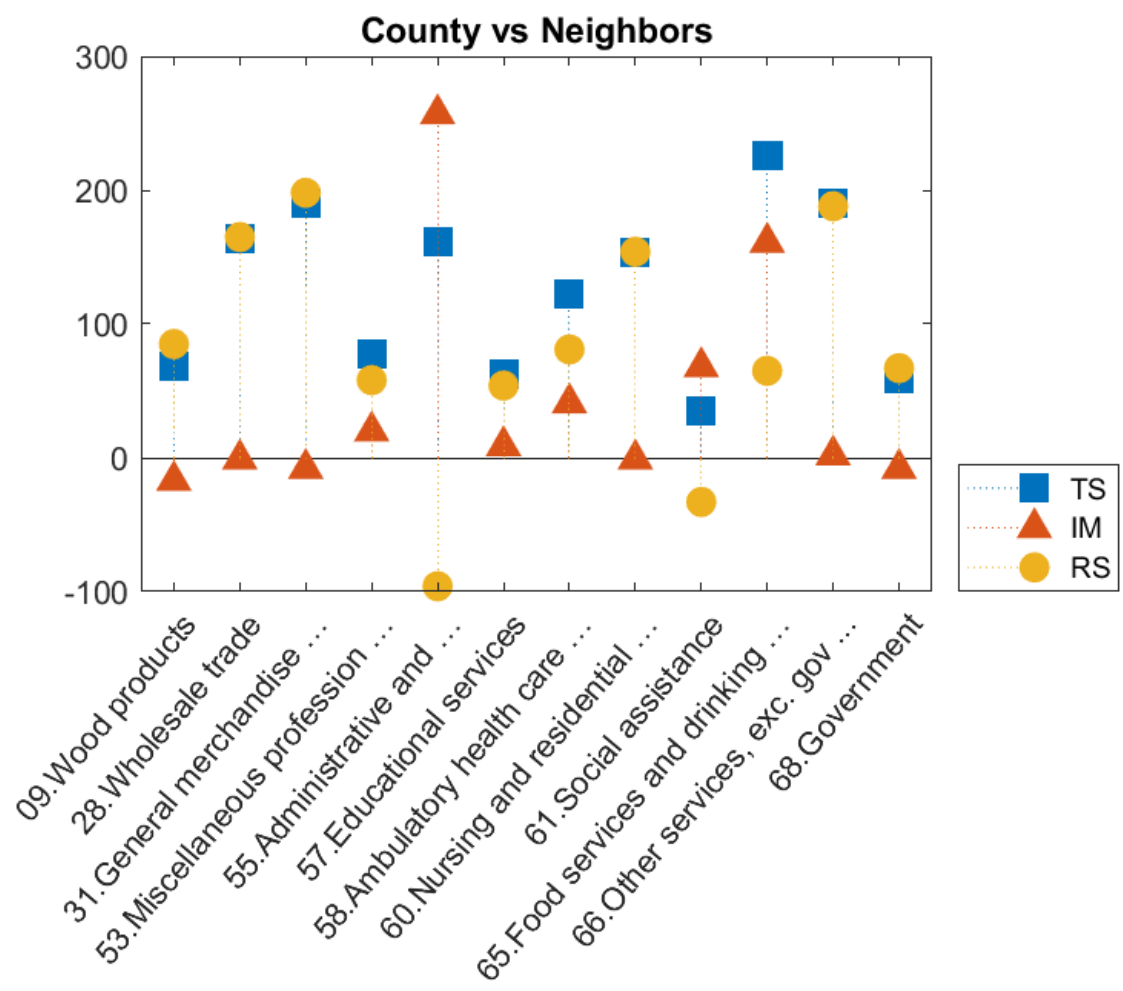


Chapter 17. Pontotoc County, Mississippi

Selected SSA Components for Pontotoc County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	0	72	-21	93	143
28	Wholesale trade	0	169	-8	177	275
31	General merchandise ...	1	201	-7	208	395
53	Miscellaneous profession ...	0	84	13	71	183
55	Administrative and ...	1	171	25	146	358
57	Educational services	3	106	16	90	847
58	Ambulatory health care ...	0	128	37	91	245
60	Nursing and residential ...	1	165	12	153	350
61	Social assistance	0	40	30	10	135
65	Food services and drinking ...	1	248	76	172	630
66	Other services, exc. gov ...	0	195	-1	196	272
68	Government	1	75	4	71	352

Selected SSA Components for Pontotoc County, Mississippi vs Neighbors



Chapter 17. Pontotoc County, Mississippi

Selected SSA Components for Pontotoc County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	4	68	-17	85	143
28	Wholesale trade	6	164	-1	165	275
31	General merchandise ...	12	190	-8	198	395
53	Miscellaneous profession ...	6	78	20	58	183
55	Administrative and ...	12	161	257	-96	358
57	Educational services	46	63	9	54	847
58	Ambulatory health care ...	7	122	41	81	245
60	Nursing and residential ...	11	153	-1	154	350
61	Social assistance	6	35	68	-33	135
65	Food services and drinking ...	24	226	161	65	630
66	Other services, exc. gov ...	5	190	2	188	272
68	Government	17	59	-8	67	352

Chapter 18. Prentiss County, Mississippi

Employment in Prentiss County, Mississippi, declined from 8,305 in 2005 to 7,462 in 2018, for a change of -843, or -10.15%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Prentiss County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	932	-1,778	-478	-1,300
vs. Appalachia	24	-874	-324	-550
vs. Neighbors	228	-1,071	507	-1,578

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Prentiss County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 18. Prentiss County, Mississippi

Industry Group Membership for Prentiss County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
09	Wood products	F III c iii	no	yes	yes	yes
12	Fabricated metal products	F III c iii	no	yes	yes	yes
13	Machinery	F III c i	no	yes	yes	yes
19	Miscellaneous manufac ...	F III c i	no	yes	yes	yes
28	Wholesale trade	F III c iii	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
40	Warehousing and storage	E I a i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
56	Waste management and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B II b ii	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Prentiss County, Mississippi vs. the United States

Groups a, b, and c are from Prentiss County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Prentiss County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Prentiss County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Prentiss County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Prentiss County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Prentiss County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

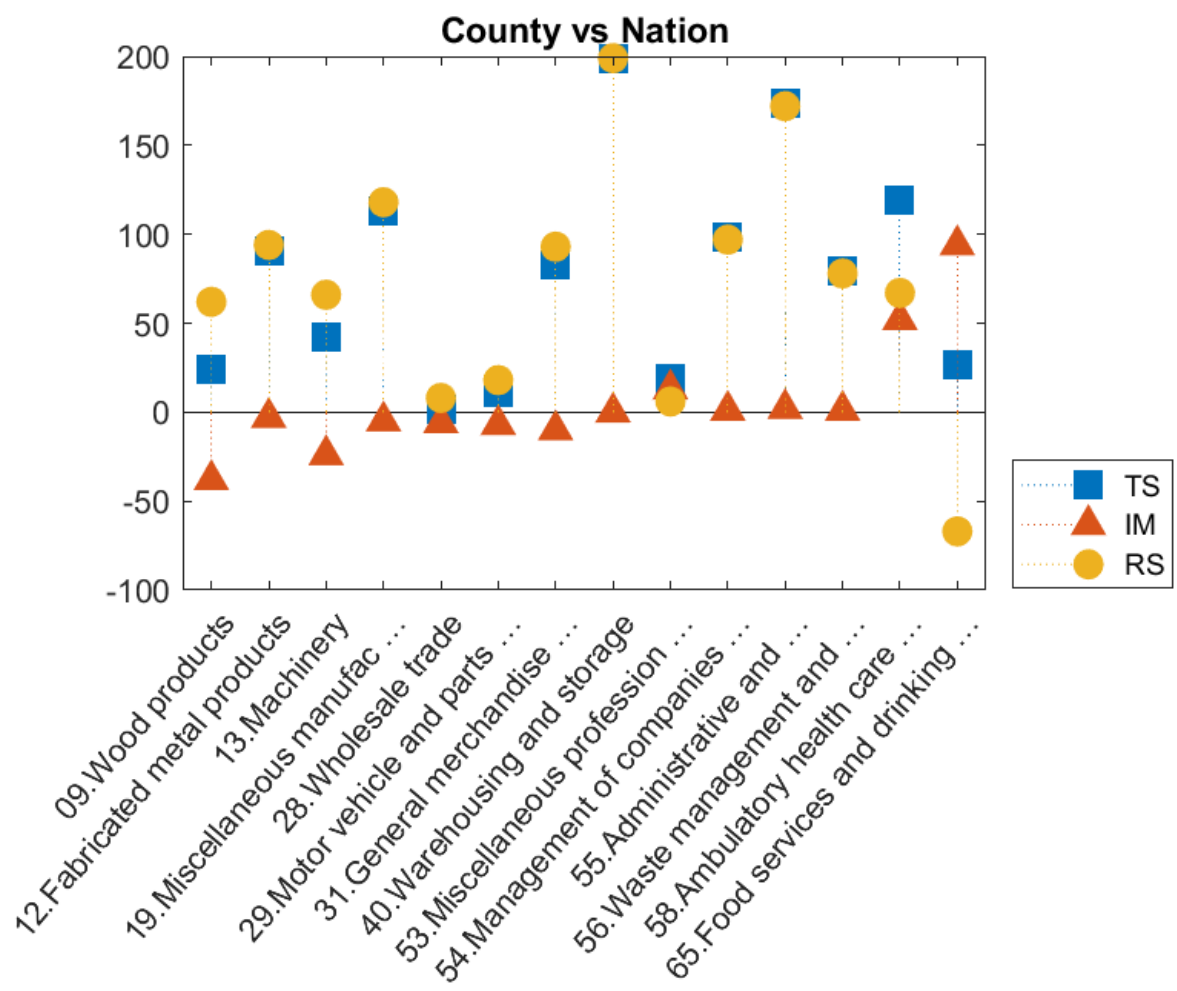
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Prentiss County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Prentiss County, Mississippi vs the U.S.

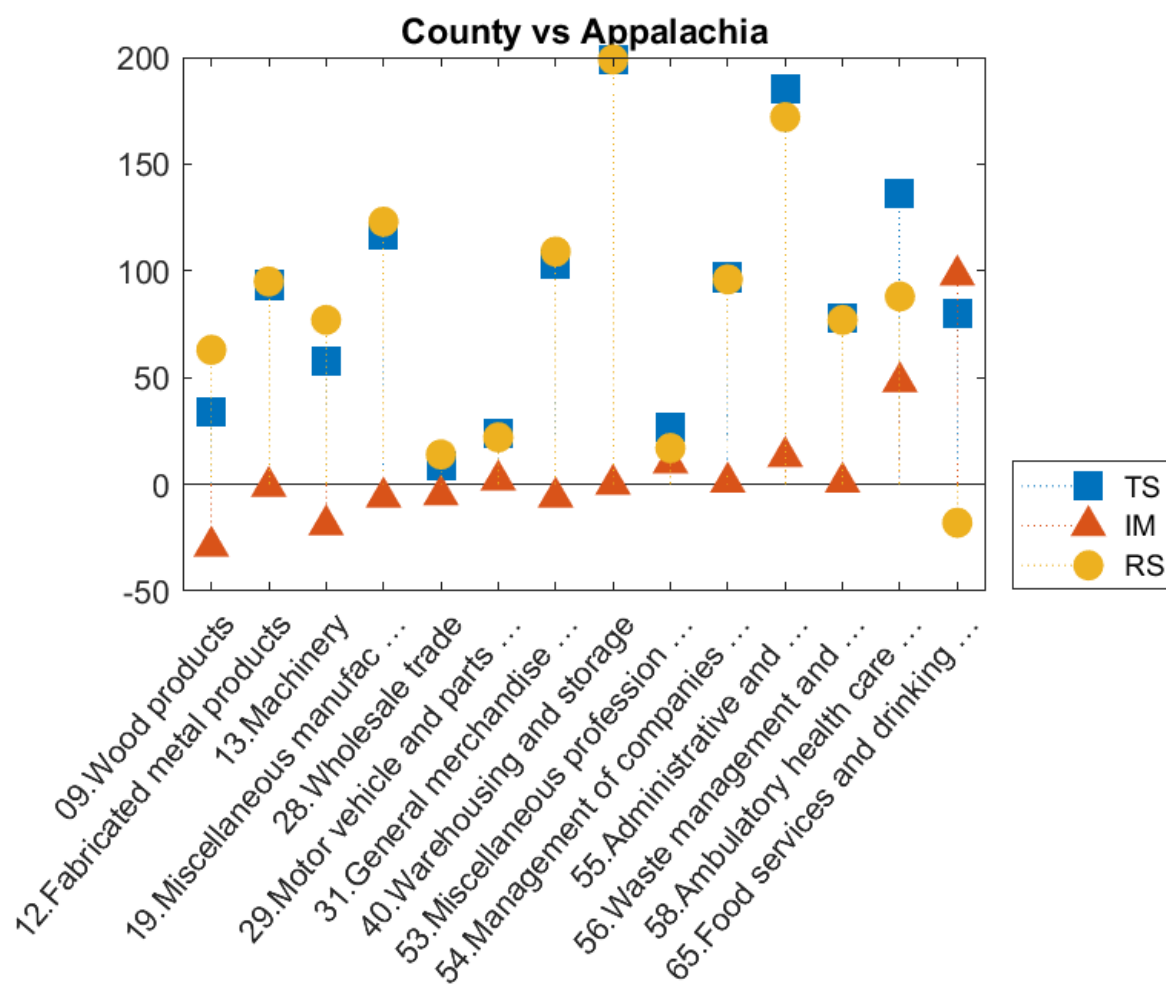


Chapter 18. Prentiss County, Mississippi

Prentiss County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	11	24	-38	62	131
12	Fabricated metal products	2	91	-3	94	111
13	Machinery	16	42	-24	66	201
19	Miscellaneous manufac ...	3	113	-5	118	147
28	Wholesale trade	7	2	-6	8	75
29	Motor vehicle and parts ...	13	11	-7	18	137
31	General merchandise ...	20	83	-10	93	282
40	Warehousing and storage	0	199	0	199	199
53	Miscellaneous profession ...	9	19	13	6	107
54	Management of companies ...	0	98	1	97	100
55	Administrative and ...	10	174	2	172	276
56	Waste management and ...	1	79	1	78	84
58	Ambulatory health care ...	17	119	52	67	284
65	Food services and drinking ...	55	27	94	-67	573

Selected SSA Components for Prentiss County, Mississippi vs the Appalachian Region

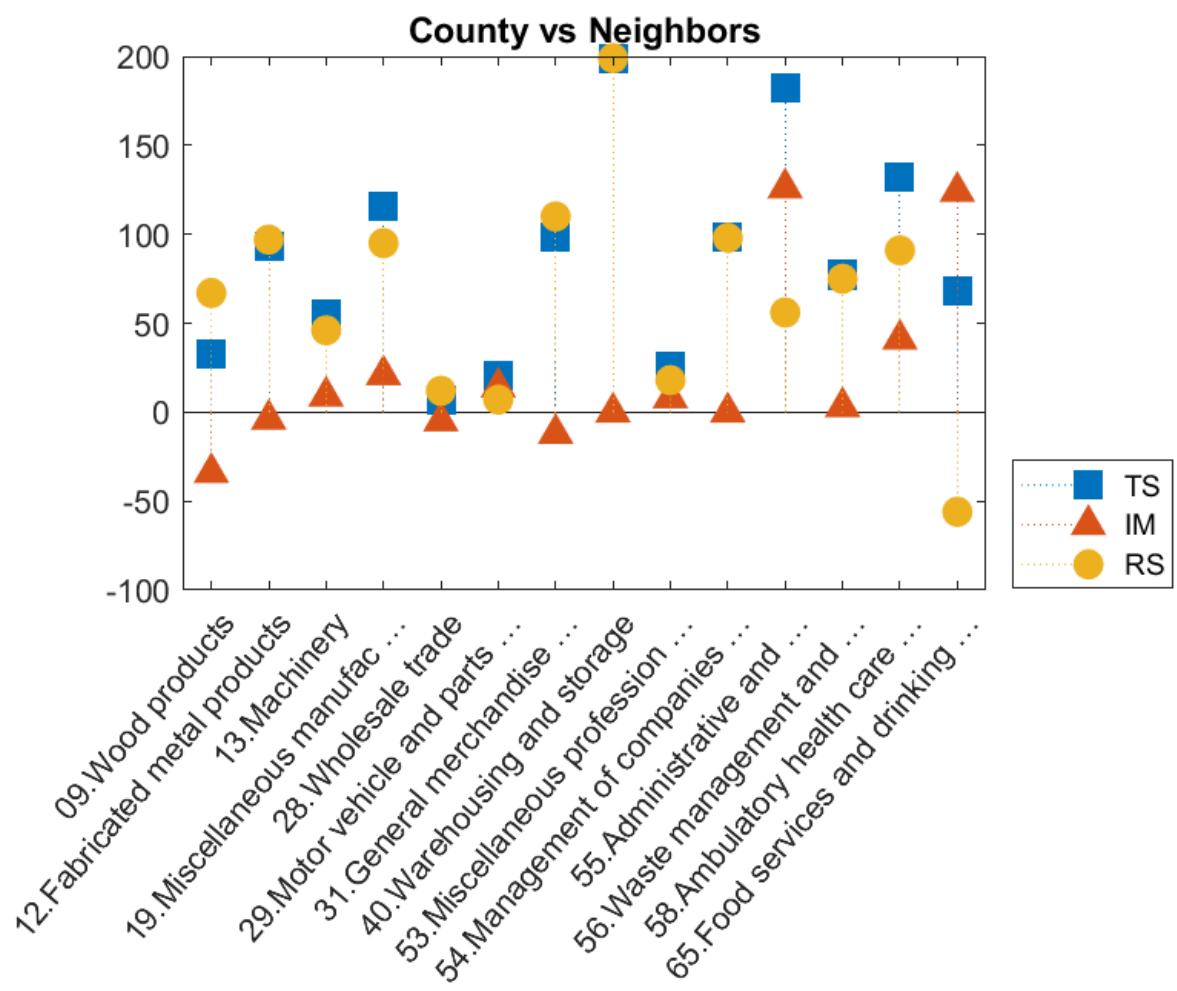


Chapter 18. Prentiss County, Mississippi

Selected SSA Components for Prentiss County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	0	34	-29	63	131
12	Fabricated metal products	0	94	-1	95	111
13	Machinery	0	58	-19	77	201
19	Miscellaneous manufac ...	0	117	-6	123	147
28	Wholesale trade	0	9	-5	14	75
29	Motor vehicle and parts ...	0	24	2	22	137
31	General merchandise ...	1	103	-6	109	282
40	Warehousing and storage	0	199	0	199	199
53	Miscellaneous profession ...	0	27	10	17	107
54	Management of companies ...	0	97	1	96	100
55	Administrative and ...	0	185	13	172	276
56	Waste management and ...	0	78	1	77	84
58	Ambulatory health care ...	1	136	48	88	284
65	Food services and drinking ...	2	80	98	-18	573

Selected SSA Components for Prentiss County, Mississippi vs Neighbors



Chapter 18. Prentiss County, Mississippi

Selected SSA Components for Prentiss County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
09	Wood products	3	33	-34	67	131
12	Fabricated metal products	0	93	-4	97	111
13	Machinery	4	55	9	46	201
19	Miscellaneous manufac ...	1	116	21	95	147
28	Wholesale trade	2	7	-5	12	75
29	Motor vehicle and parts ...	3	21	14	7	137
31	General merchandise ...	5	98	-12	110	282
40	Warehousing and storage	0	199	0	199	199
53	Miscellaneous profession ...	2	26	8	18	107
54	Management of companies ...	0	98	-0	98	100
55	Administrative and ...	3	182	126	56	276
56	Waste management and ...	0	78	3	75	84
58	Ambulatory health care ...	4	132	41	91	284
65	Food services and drinking ...	14	68	124	-56	573

Chapter 19. Tippah County, Mississippi

Employment in Tippah County, Mississippi, declined from 7,479 in 2005 to 6,552 in 2018, for a change of -927, or -12.39%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Tippah County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	842	-1,769	-913	-856
vs. Appalachia	22	-955	-925	-30
vs. Neighbors	-478	-450	-854	404

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Tippah County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 19. Tippah County, Mississippi

Industry Group Membership for Tippah County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
15	Electrical equipment, ...	D III c iii	no	yes	yes	yes
17	Other transportation ...	F I a i	no	yes	yes	yes
26	Chemical products	F III c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a iii	no	yes	yes	yes
31	General merchandise ...	F III c i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
57	Educational services	F III a iii	no	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
59	Hospitals	E II a iii	no	yes	yes	yes
61	Social assistance	B I a i	yes	yes	yes	yes
65	Food services and drinking ...	B V e ii	yes	no	no	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Tippah County, Mississippi vs. the United States

Groups a, b, and c are from Tippah County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Tippah County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Tippah County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Tippah County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Tippah County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Tippah County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

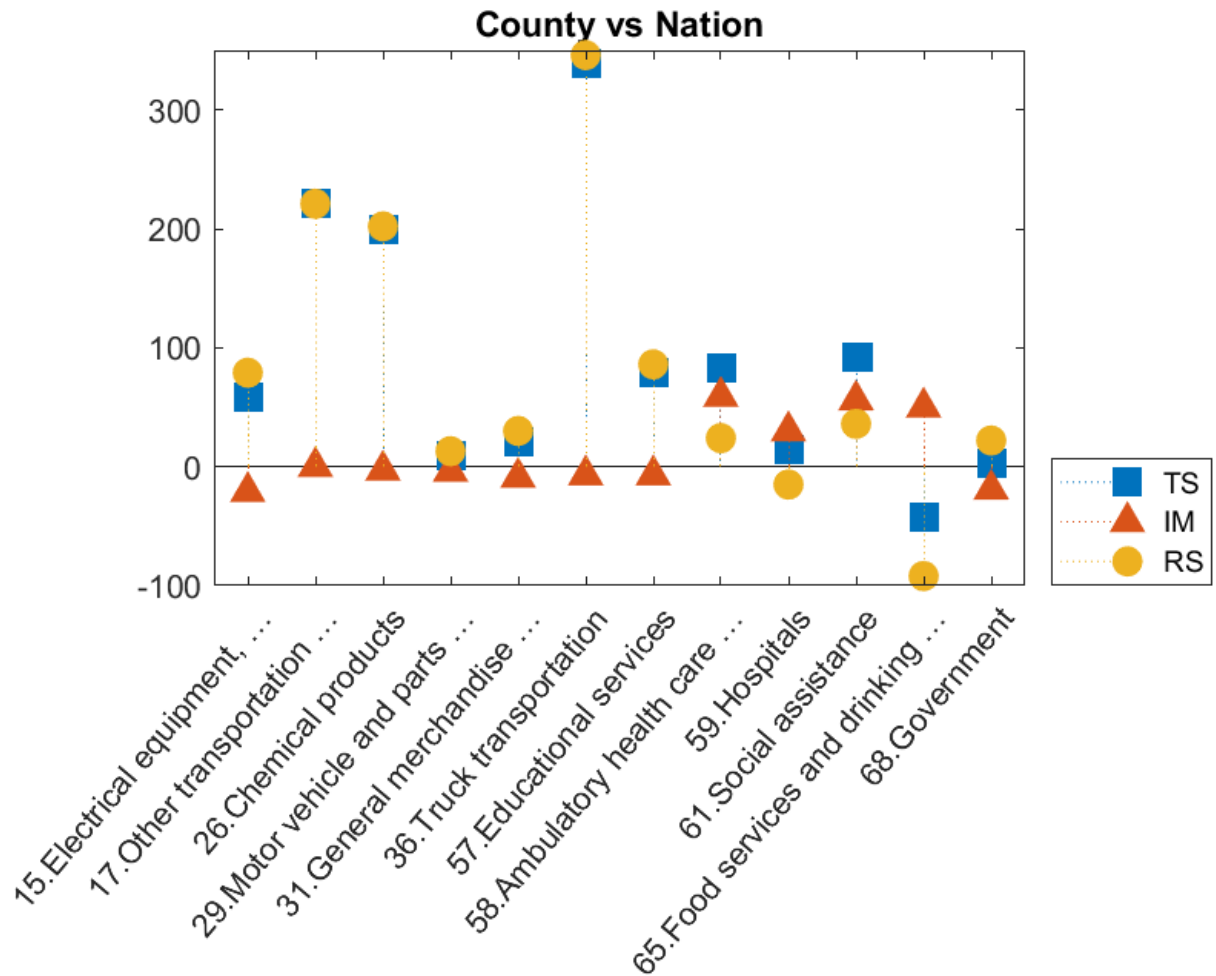
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Tippah County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Tippah County, Mississippi vs the U.S.

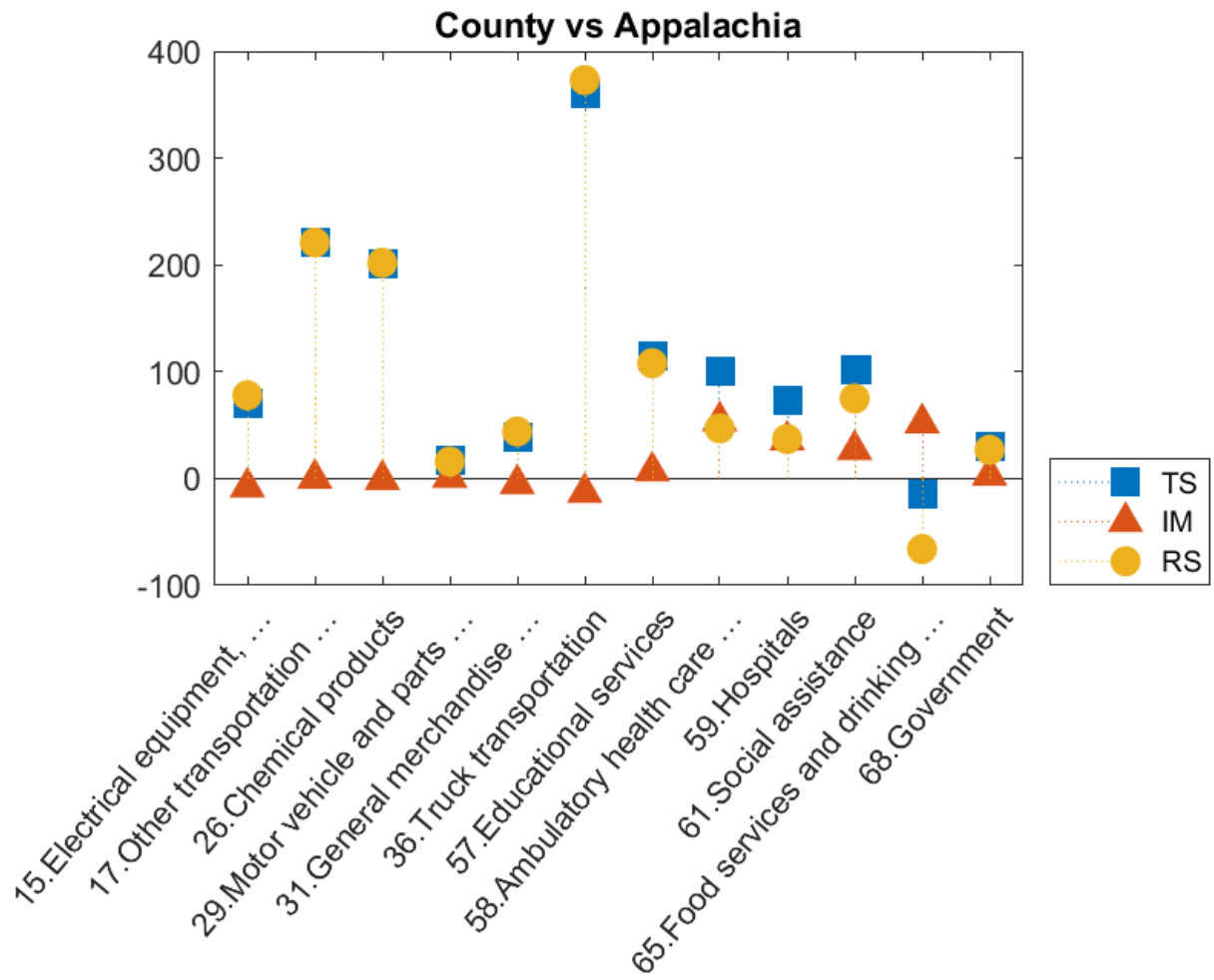


Chapter 19. Tippah County, Mississippi

Tippah County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	12	58	-21	79	177
17	Other transportation ...	0	221	0	221	221
26	Chemical products	2	199	-3	202	222
29	Motor vehicle and parts ...	8	9	-4	13	87
31	General merchandise ...	18	21	-9	30	198
36	Truck transportation	22	339	-7	346	559
57	Educational services	37	79	-7	86	442
58	Ambulatory health care ...	19	83	59	24	270
59	Hospitals	60	15	30	-15	609
61	Social assistance	10	92	56	36	188
65	Food services and drinking ...	29	-42	50	-92	247
68	Government	29	3	-19	22	285

Selected SSA Components for Tippah County, Mississippi vs the Appalachian Region

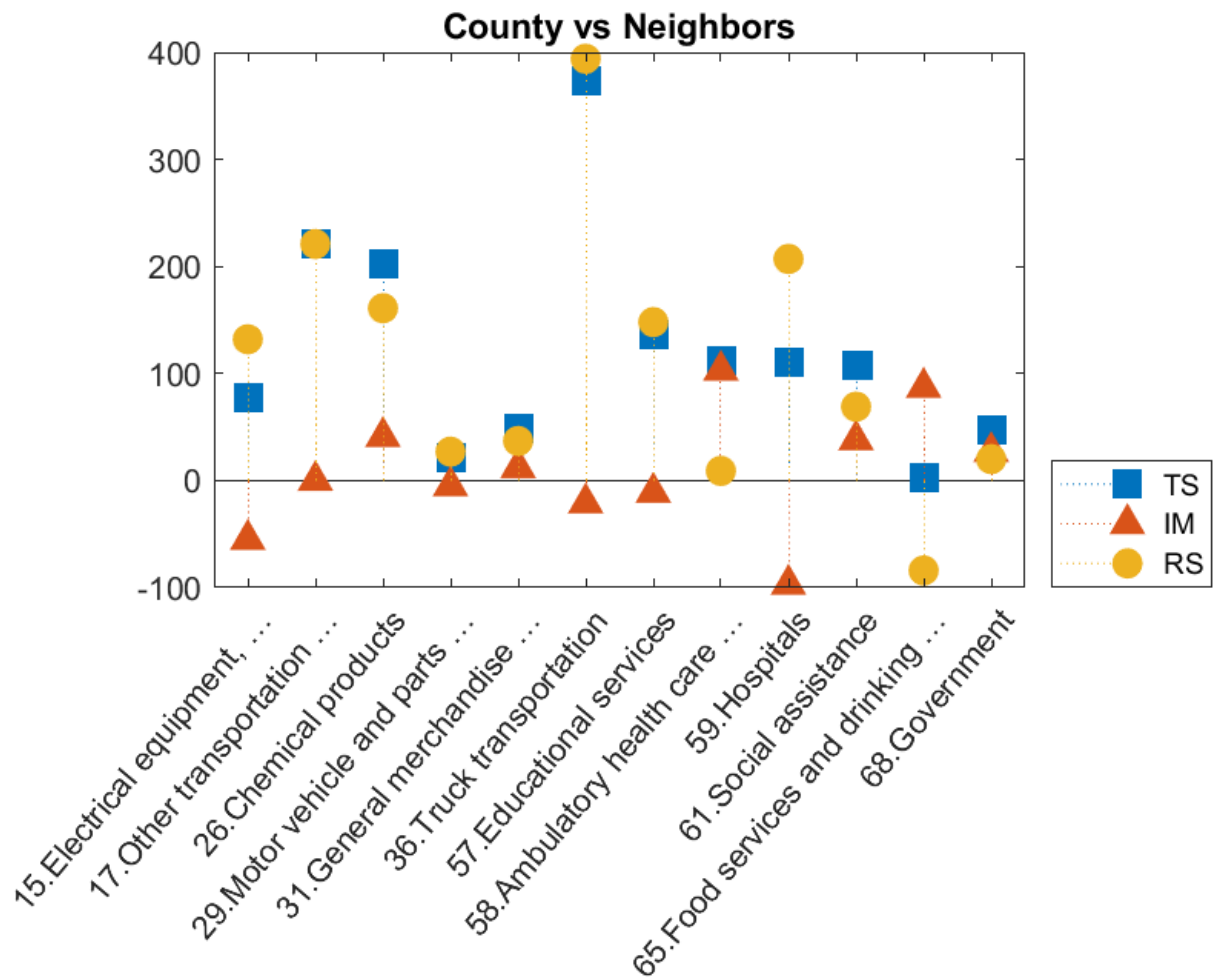


Chapter 19. Tippah County, Mississippi

Selected SSA Components for Tippah County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	0	70	-8	78	177
17	Other transportation ...	0	221	0	221	221
26	Chemical products	0	201	-1	202	222
29	Motor vehicle and parts ...	0	17	1	16	87
31	General merchandise ...	1	39	-5	44	198
36	Truck transportation	1	360	-13	373	559
57	Educational services	1	115	7	108	442
58	Ambulatory health care ...	1	101	54	47	270
59	Hospitals	2	73	36	37	609
61	Social assistance	0	102	27	75	188
65	Food services and drinking ...	1	-14	52	-66	247
68	Government	1	30	3	27	285

Selected SSA Components for Tippah County, Mississippi vs Neighbors



Chapter 19. Tippah County, Mississippi

Selected SSA Components for Tippah County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
15	Electrical equipment, ...	-7	77	-55	132	177
17	Other transportation ...	-0	221	0	221	221
26	Chemical products	-1	202	41	161	222
29	Motor vehicle and parts ...	-4	22	-5	27	87
31	General merchandise ...	-10	49	12	37	198
36	Truck transportation	-13	373	-21	394	559
57	Educational services	-21	137	-11	148	442
58	Ambulatory health care ...	-11	112	103	9	270
59	Hospitals	-34	110	-97	207	609
61	Social assistance	-5	107	38	69	188
65	Food services and drinking ...	-17	3	87	-84	247
68	Government	-16	47	27	20	285

Chapter 20. Tishomingo County, Mississippi

Employment in Tishomingo County, Mississippi, grew from 5,788 in 2005 to 6,368 in 2018, for a change of 580, or 10.02%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Tishomingo County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	651	-77	-707	630
vs. Appalachia	16	563	-429	992
vs. Neighbors	81	494	1,230	-736

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Tishomingo County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 20. Tishomingo County, Mississippi

Industry Group Membership for Tishomingo County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
07	Utilities	F III c iii	no	yes	yes	yes
11	Primary metals	F I a i	no	yes	yes	yes
13	Machinery	F III c i	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a ii	yes	yes	yes	yes
17	Other transportation ...	F III c ii	no	yes	yes	yes
27	Plastics and rubber prod...	D III a i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
39	Other transportation ...	E I c iii	no	yes	yes	yes
58	Ambulatory health care ...	B V b v	yes	no	yes	no
61	Social assistance	B II a i	yes	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes
66	Other services, exc. gov ...	F III c iii	no	yes	yes	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Tishomingo County, Mississippi vs. the United States

Groups a, b, and c are from Tishomingo County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Tishomingo County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Tishomingo County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Tishomingo County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Tishomingo County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Tishomingo County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

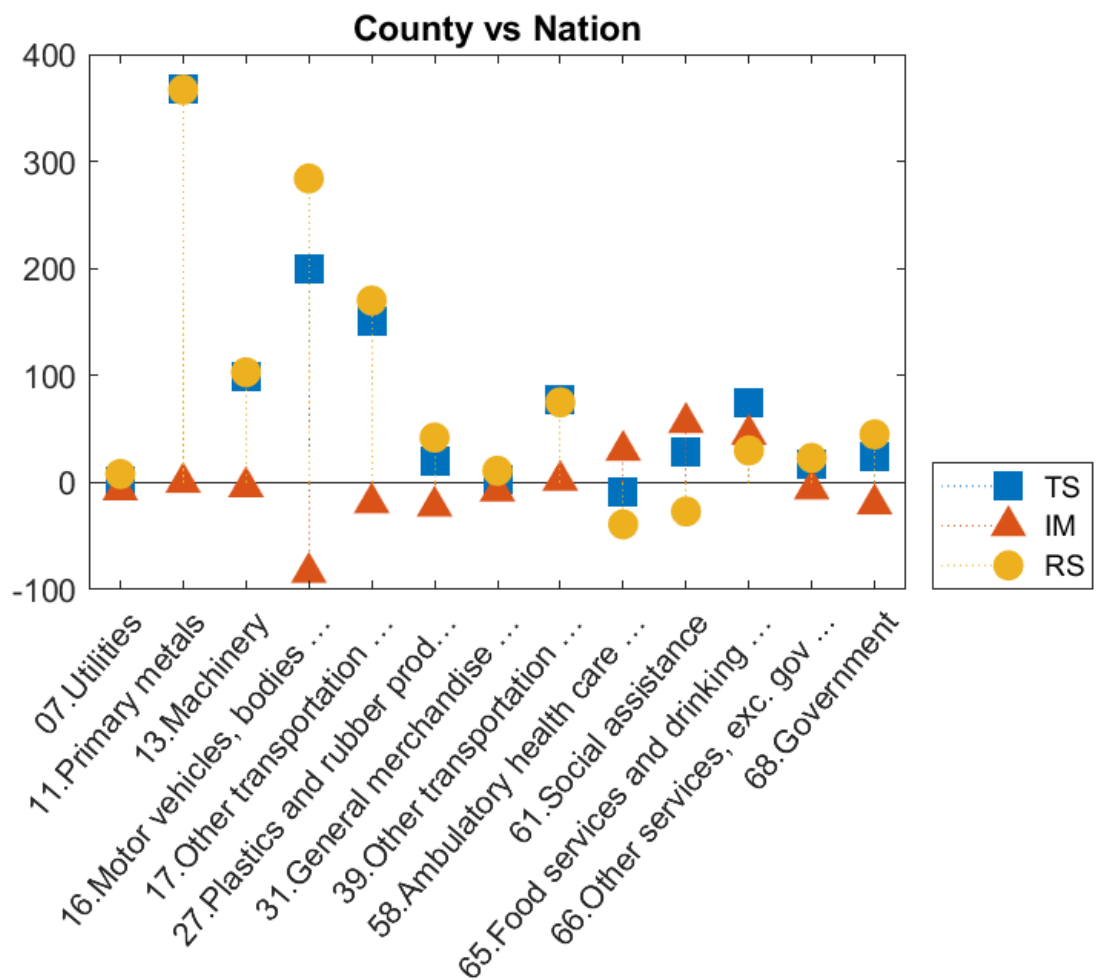
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Tishomingo County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Tishomingo County, Mississippi vs the U.S.

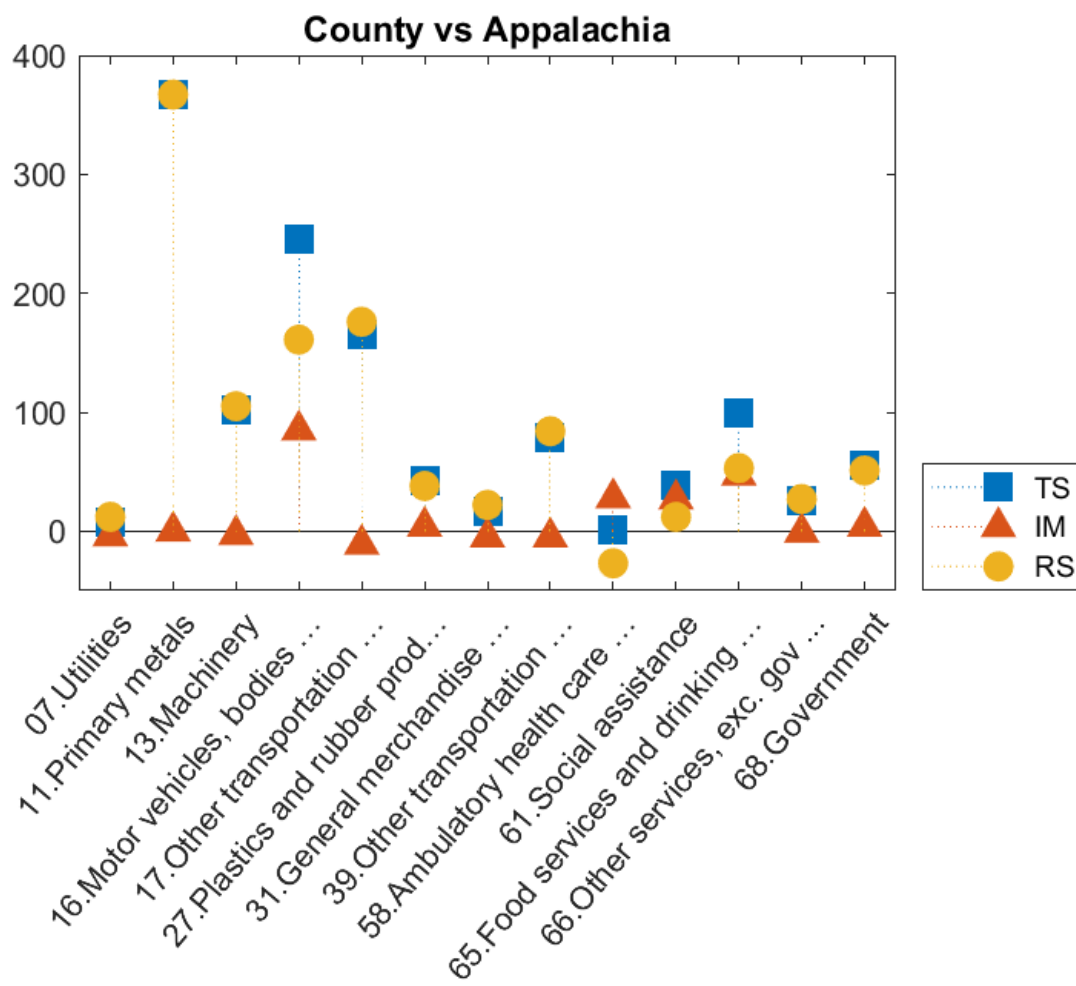


Chapter 20. Tishomingo County, Mississippi

Tishomingo County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	7	1	-7	8	72
11	Primary metals	0	367	-0	367	368
13	Machinery	2	99	-4	103	124
16	Motor vehicles, bodies ...	47	200	-84	284	663
17	Other transportation ...	14	151	-19	170	285
27	Plastics and rubber prod...	23	20	-22	42	245
31	General merchandise ...	15	3	-8	11	151
39	Other transportation ...	1	77	2	75	91
58	Ambulatory health care ...	10	-9	30	-39	87
61	Social assistance	10	29	56	-27	125
65	Food services and drinking ...	26	75	45	30	334
66	Other services, exc. gov ...	9	17	-6	23	105
68	Government	30	25	-20	45	323

Selected SSA Components for Tishomingo County, Mississippi vs the Appalachian Region

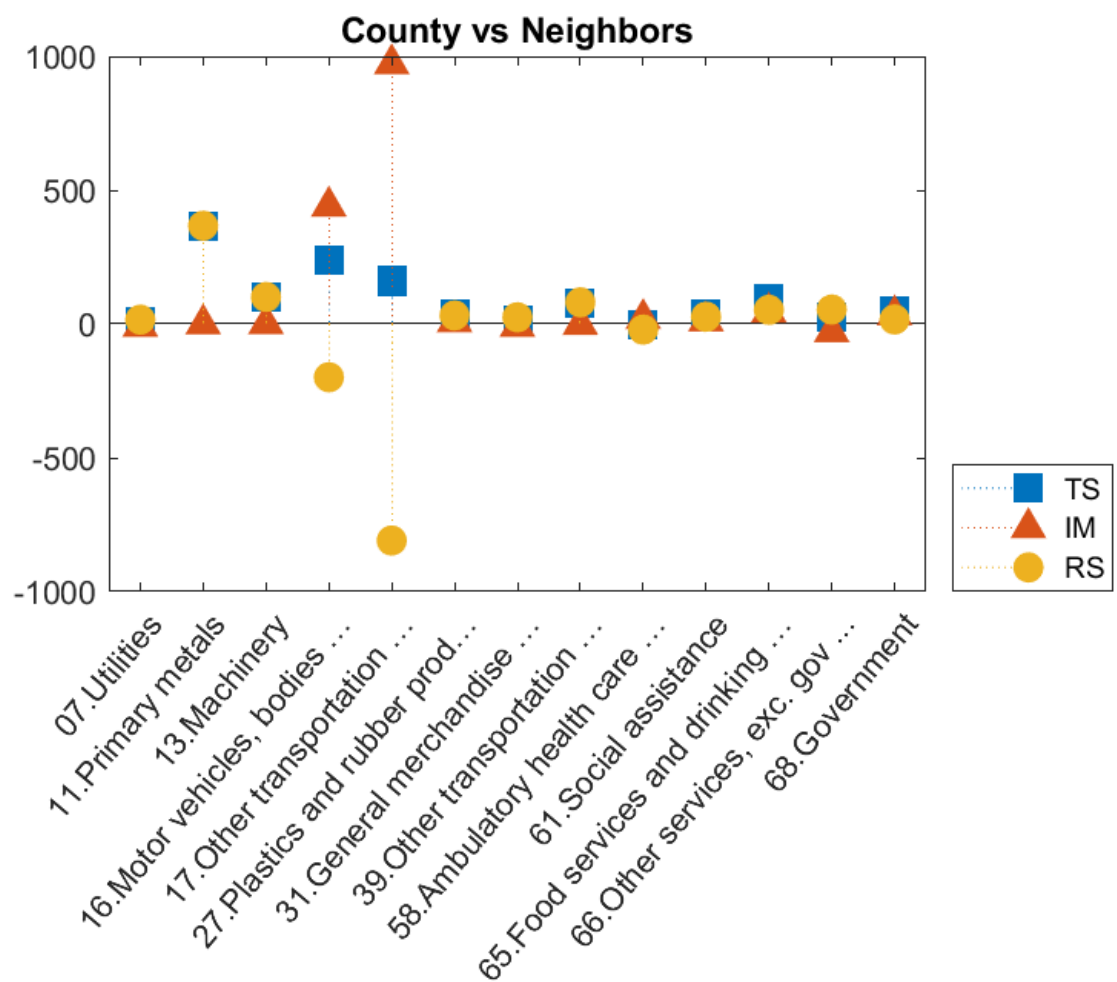


Chapter 20. Tishomingo County, Mississippi

Selected SSA Components for Tishomingo County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	0	8	-4	12	72
11	Primary metals	0	367	-0	367	368
13	Machinery	0	102	-3	105	124
16	Motor vehicles, bodies ...	1	246	85	161	663
17	Other transportation ...	0	165	-11	176	285
27	Plastics and rubber prod...	1	42	4	38	245
31	General merchandise ...	0	17	-5	22	151
39	Other transportation ...	0	79	-5	84	91
58	Ambulatory health care ...	0	1	28	-27	87
61	Social assistance	0	39	27	12	125
65	Food services and drinking ...	1	100	47	53	334
66	Other services, exc. gov ...	0	26	-1	27	105
68	Government	1	55	4	51	323

Selected SSA Components for Tishomingo County, Mississippi vs Neighbors



Chapter 20. Tishomingo County, Mississippi

Selected SSA Components for Tishomingo County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
07	Utilities	1	7	-9	16	72
11	Primary metals	0	367	0	367	368
13	Machinery	0	102	1	101	124
16	Motor vehicles, bodies ...	6	241	440	-199	663
17	Other transportation ...	2	163	972	-809	285
27	Plastics and rubber prod...	3	40	8	32	245
31	General merchandise ...	2	16	-9	25	151
39	Other transportation ...	0	79	-2	81	91
58	Ambulatory health care ...	1	-1	20	-21	87
61	Social assistance	1	38	11	27	125
65	Food services and drinking ...	3	97	44	53	334
66	Other services, exc. gov ...	1	25	-29	54	105
68	Government	4	51	34	17	323

Chapter 21. Union County, Mississippi

Employment in Union County, Mississippi, grew from 9,633 in 2005 to 11,115 in 2018, for a change of 1,482, or 15.38%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Union County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	1,084	397	-147	544
vs. Appalachia	27	1,449	-726	2,175
vs. Neighbors	574	907	-350	1,257

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III — and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Union County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 21. Union County, Mississippi

Industry Group Membership for Union County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
13	Machinery	F III c iii	no	yes	yes	yes
16	Motor vehicles, bodies ...	C III a i	yes	yes	yes	yes
28	Wholesale trade	F III c i	no	yes	yes	yes
30	Food and beverage stores	F III c i	no	yes	yes	yes
39	Other transportation ...	E I a i	no	yes	yes	yes
45	Federal Reserve banks, ...	F III c i	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B I a i	yes	yes	yes	yes
60	Nursing and residential ...	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B I a i	yes	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Union County, Mississippi vs. the United States

Groups a, b, and c are from Union County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Union County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Union County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Union County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Union County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Union County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

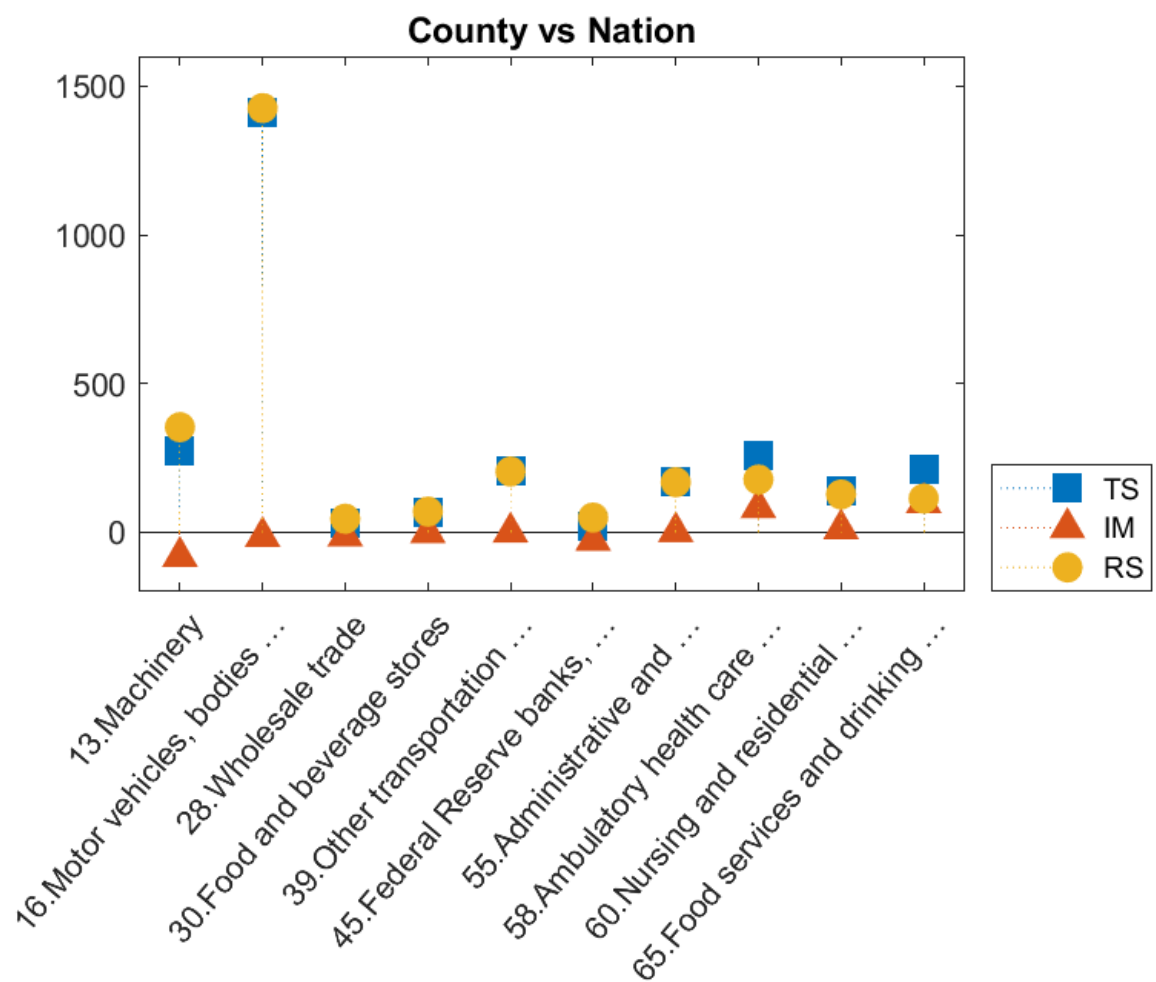
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Union County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Union County, Mississippi vs the U.S.

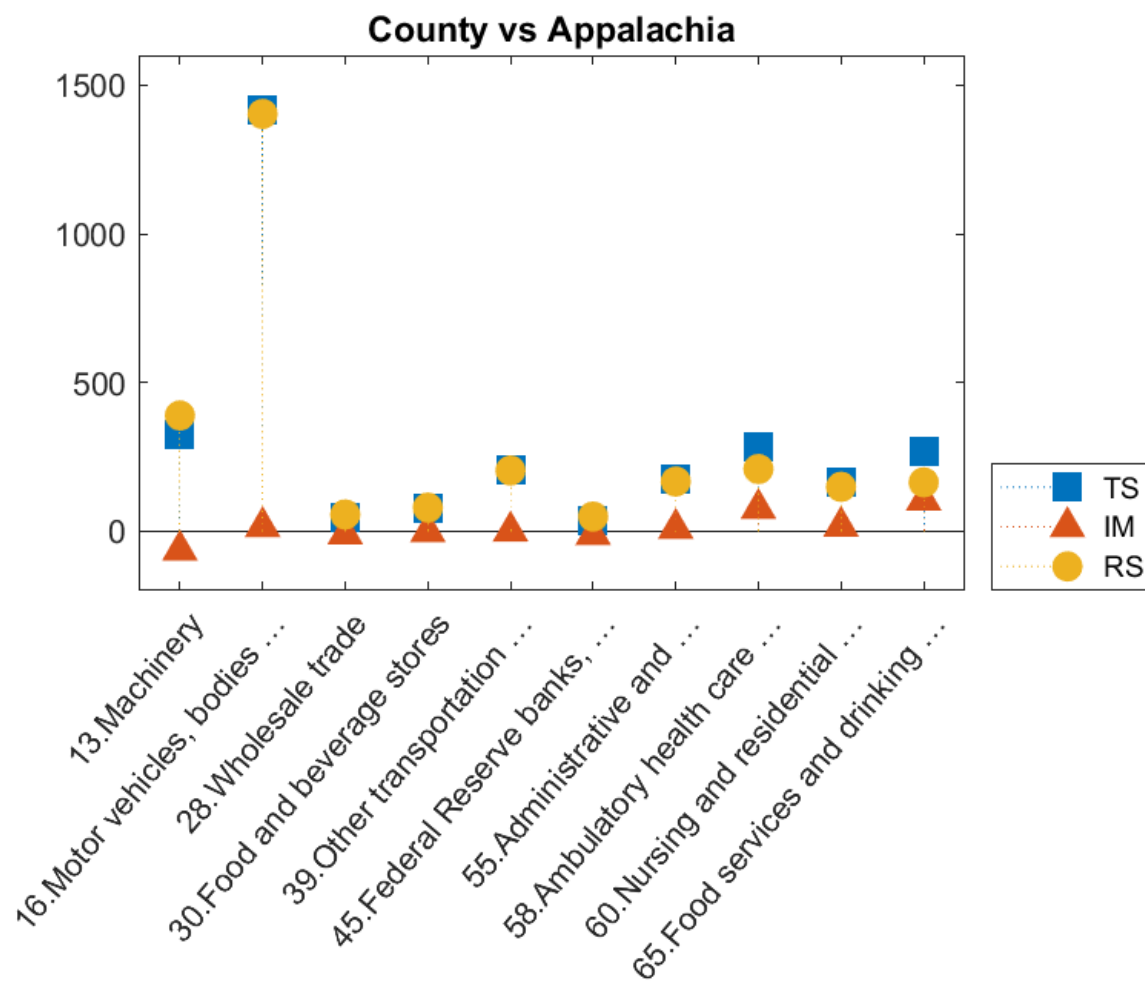


Chapter 21. Union County, Mississippi

Union County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	56	271	-82	353	821
16	Motor vehicles, bodies ...	9	1,411	-15	1,426	1,495
28	Wholesale trade	15	32	-13	45	183
30	Food and beverage stores	10	67	-2	69	168
39	Other transportation ...	0	204	0	204	204
45	Federal Reserve banks, ...	16	21	-28	49	179
55	Administrative and ...	8	169	1	168	245
58	Ambulatory health care ...	27	259	82	177	521
60	Nursing and residential ...	28	138	11	127	409
65	Food services and drinking ...	59	212	99	113	789

Selected SSA Components for Union County, Mississippi vs the Appalachian Region

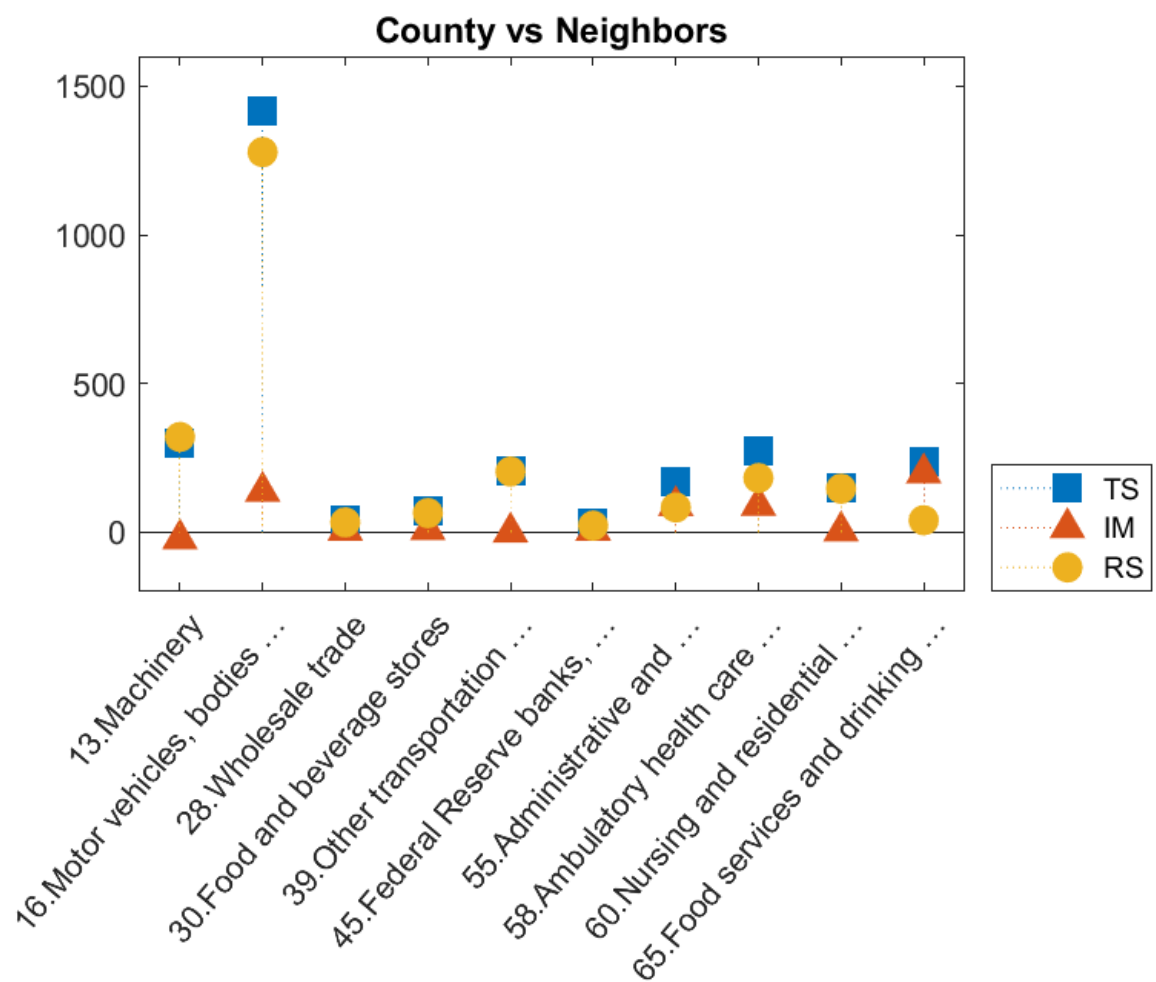


Chapter 21. Union County, Mississippi

Selected SSA Components for Union County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	2	325	-64	389	821
16	Motor vehicles, bodies ...	0	1,418	15	1,403	1,495
28	Wholesale trade	0	46	-10	56	183
30	Food and beverage stores	0	77	-2	79	168
39	Other transportation ...	0	204	0	204	204
45	Federal Reserve banks, ...	0	37	-12	49	179
55	Administrative and ...	0	176	9	167	245
58	Ambulatory health care ...	1	285	76	209	521
60	Nursing and residential ...	1	165	16	149	409
65	Food services and drinking ...	2	268	104	164	789

Selected SSA Components for Union County, Mississippi vs Neighbors



Chapter 21. Union County, Mississippi

Selected SSA Components for Union County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	29	297	-23	320	821
16	Motor vehicles, bodies ...	5	1,415	137	1,278	1,495
28	Wholesale trade	8	39	6	33	183
30	Food and beverage stores	5	72	8	64	168
39	Other transportation ...	0	204	0	204	204
45	Federal Reserve banks, ...	8	28	6	22	179
55	Administrative and ...	4	172	89	83	245
58	Ambulatory health care ...	14	272	90	182	521
60	Nursing and residential ...	14	150	4	146	409
65	Food services and drinking ...	31	239	199	40	789

Chapter 22. Webster County, Mississippi

Employment in Webster County, Mississippi, declined from 2,324 in 2005 to 1,955 in 2018, for a change of -369, or -15.88%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Webster County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	259	-633	-114	-519
vs. Appalachia	4	-376	-125	-251
vs. Neighbors	-189	-178	-100	-78

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Webster County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 22. Webster County, Mississippi

Industry Group Membership for Webster County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
01	Farms	F I a i	no	yes	yes	yes
07	Utilities	F III c i	no	yes	yes	yes
31	General merchandise	F III c i	no	yes	yes	yes
...	...					
36	Truck transportation	F III c i	no	yes	yes	yes
53	Miscellaneous profession ...	B I a i	yes	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
58	Ambulatory health care ...	B V b ii	yes	no	yes	yes
59	Hospitals	E I a iii	no	yes	yes	yes
61	Social assistance	B II a i	yes	yes	yes	yes
63	Amusements, gambling, ...	B I a i	yes	yes	yes	yes
65	Food services and drinking	B I a i	yes	yes	yes	yes
...	...					
68	Government	F III a iii	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Webster County, Mississippi vs. the United States

Groups a, b, and c are from Webster County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Webster County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Webster County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Webster County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Webster County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Webster County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

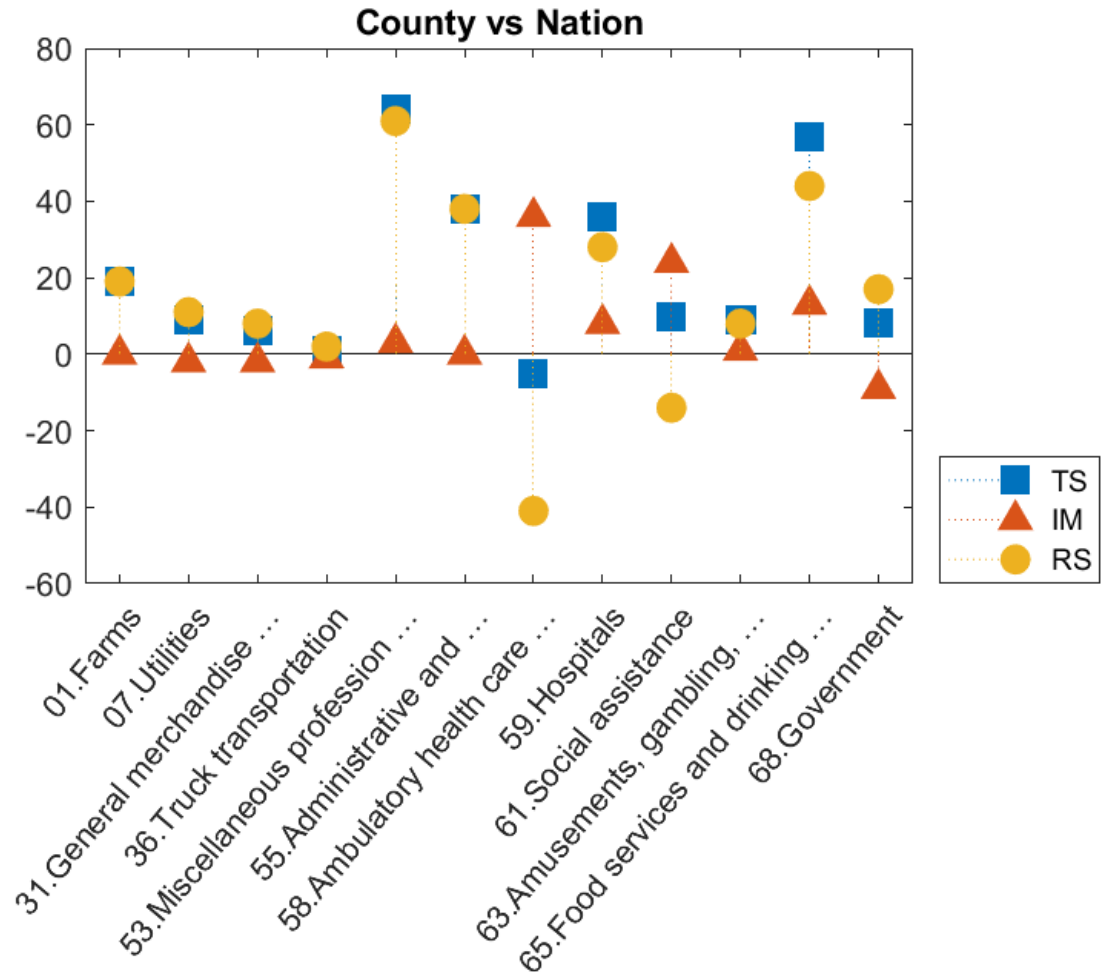
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Webster County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Webster County, Mississippi vs the U.S.

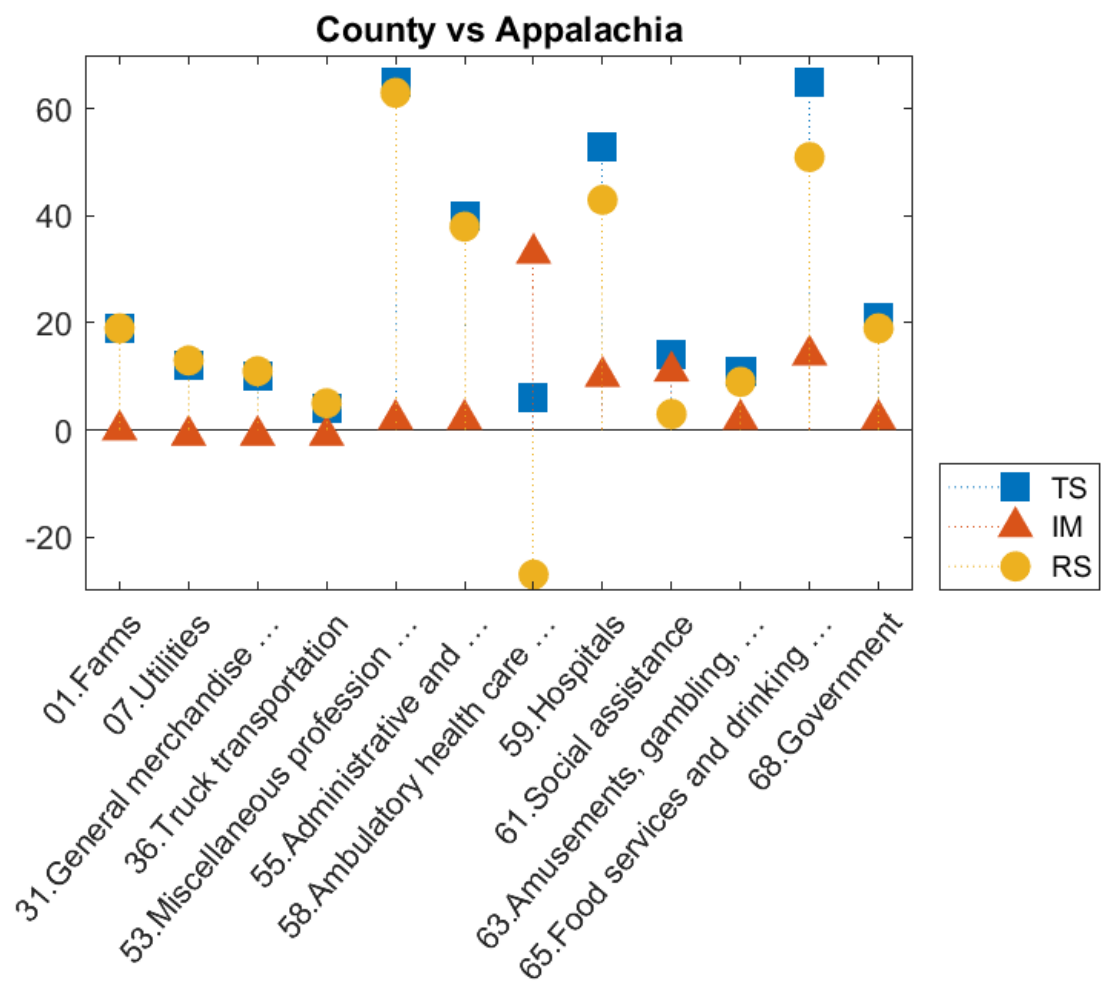


Chapter 22. Webster County, Mississippi

Webster County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	1	19	-0	19	28
07	Utilities	2	9	-2	11	31
31	General merchandise	4	6	-2	8	44
36	Truck transportation	2	1	-1	2	26
53	Miscellaneous profession ...	2	64	3	61	80
55	Administrative and ...	2	38	0	38	58
58	Ambulatory health care ...	12	-5	36	-41	108
59	Hospitals	17	36	8	28	203
61	Social assistance	4	10	24	-14	50
63	Amusements, gambling, ...	1	9	1	8	21
65	Food services and drinking	8	57	13	44	134
68	Government	13	8	-9	17	140

Selected SSA Components for Webster County, Mississippi vs the Appalachian Region

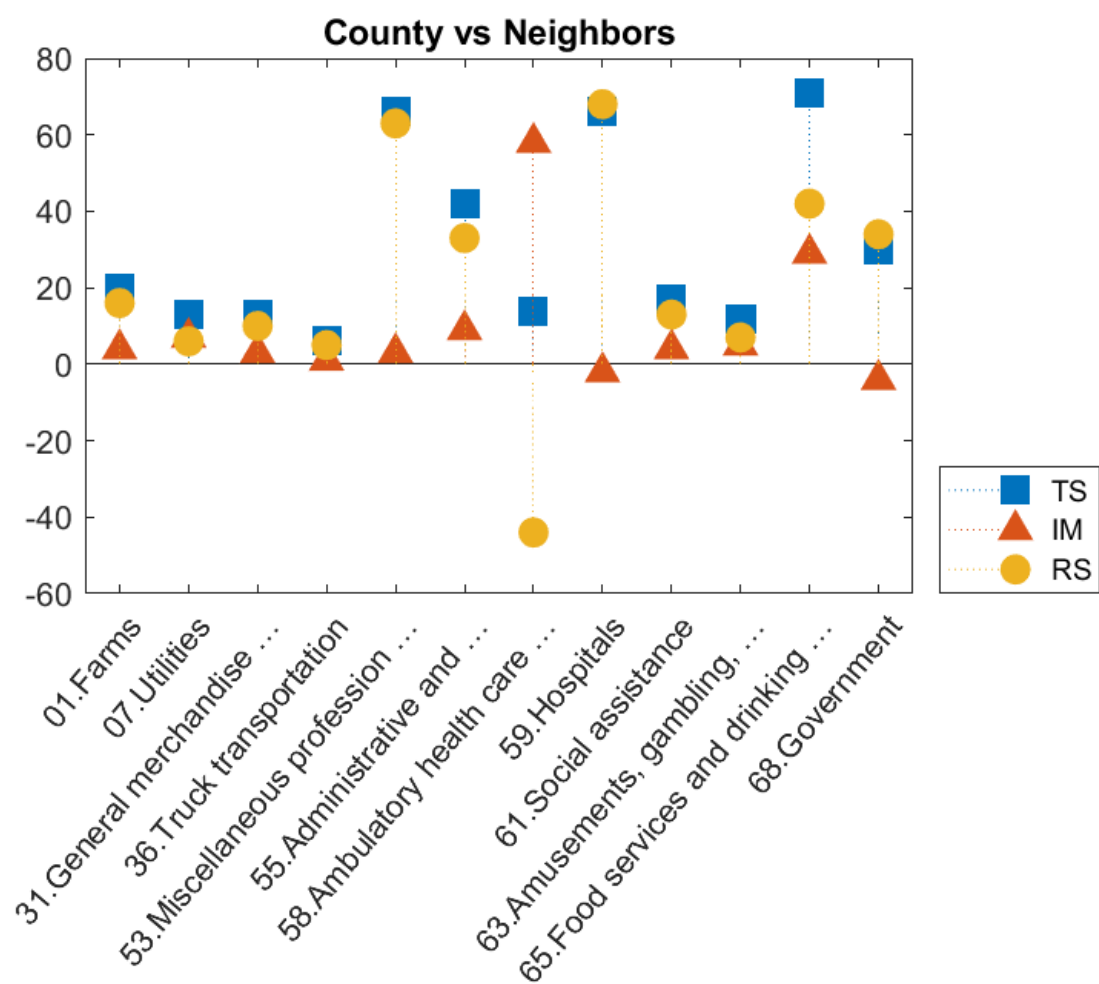


Chapter 22. Webster County, Mississippi

Selected SSA Components for Webster County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	0	19	0	19	28
07	Utilities	0	12	-1	13	31
31	General merchandise	0	10	-1	11	44
36	Truck transportation	0	4	-1	5	26
53	Miscellaneous profession ...	0	65	2	63	80
55	Administrative and ...	0	40	2	38	58
58	Ambulatory health care ...	0	6	33	-27	108
59	Hospitals	1	53	10	43	203
61	Social assistance	0	14	11	3	50
63	Amusements, gambling, ...	0	11	2	9	21
65	Food services and drinking ...	0	65	14	51	134
68	Government	0	21	2	19	140

Selected SSA Components for Webster County, Mississippi vs Neighbors



Chapter 22. Webster County, Mississippi

Selected SSA Components for Webster County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
01	Farms	-1	20	4	16	28
07	Utilities	-2	13	7	6	31
31	General merchandise ...	-3	13	3	10	44
36	Truck transportation	-2	6	1	5	26
53	Miscellaneous profession ...	-1	66	3	63	80
55	Administrative and ...	-1	42	9	33	58
58	Ambulatory health care ...	-8	14	58	-44	108
59	Hospitals	-12	66	-2	68	203
61	Social assistance	-3	17	4	13	50
63	Amusements, gambling, ...	-1	12	5	7	21
65	Food services and drinking ...	-6	71	29	42	134
68	Government	-10	30	-4	34	140

Chapter 23. Winston County, Mississippi

Employment in Winston County, Mississippi, declined from 5,593 in 2005 to 4,947 in 2018, for a change of -646, or -11.55%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Winston County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	631	-1,276	-388	-888
vs. Appalachia	13	-666	-409	-257
vs. Neighbors	-487	-160	85	-245

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Winston County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 23. Winston County, Mississippi

Industry Group Membership for Winston County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
02	Forestry, fishing, and ...	E I c i	no	yes	yes	yes
22	Apparel and leather ...	F III c i	no	yes	yes	yes
29	Motor vehicle and parts ...	F III a i	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
54	Management of companies ...	A I a i	yes	yes	yes	yes
55	Administrative and ...	A I a ii	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
59	Hospitals	E I a i	no	yes	yes	yes
65	Food services and drinking ...	B V e ii	yes	no	no	yes
68	Government	F III a i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Winston County, Mississippi vs. the United States

Groups a, b, and c are from Winston County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Winston County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Winston County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Winston County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Winston County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Winston County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

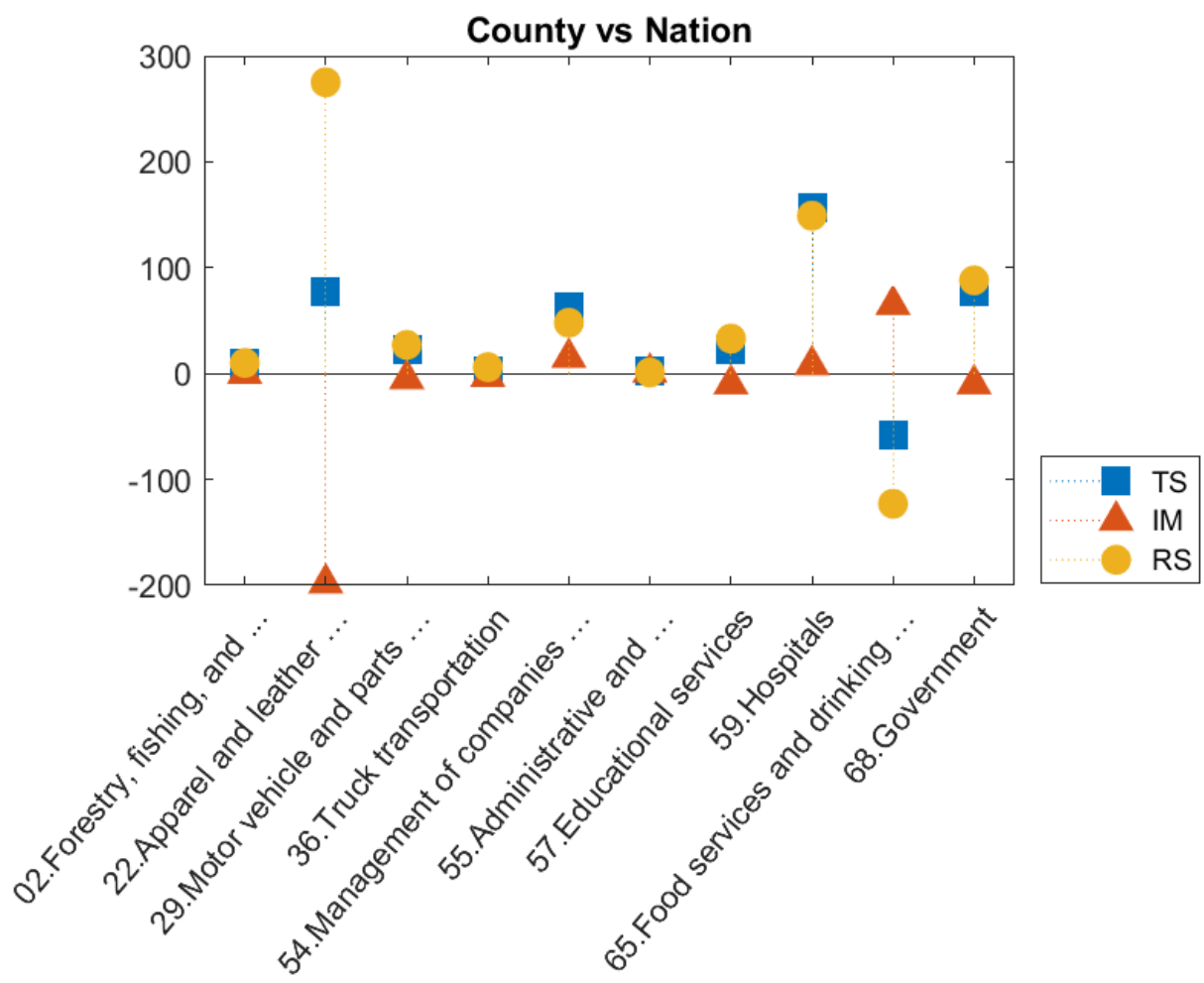
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Winston County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Winston County, Mississippi vs the U.S.

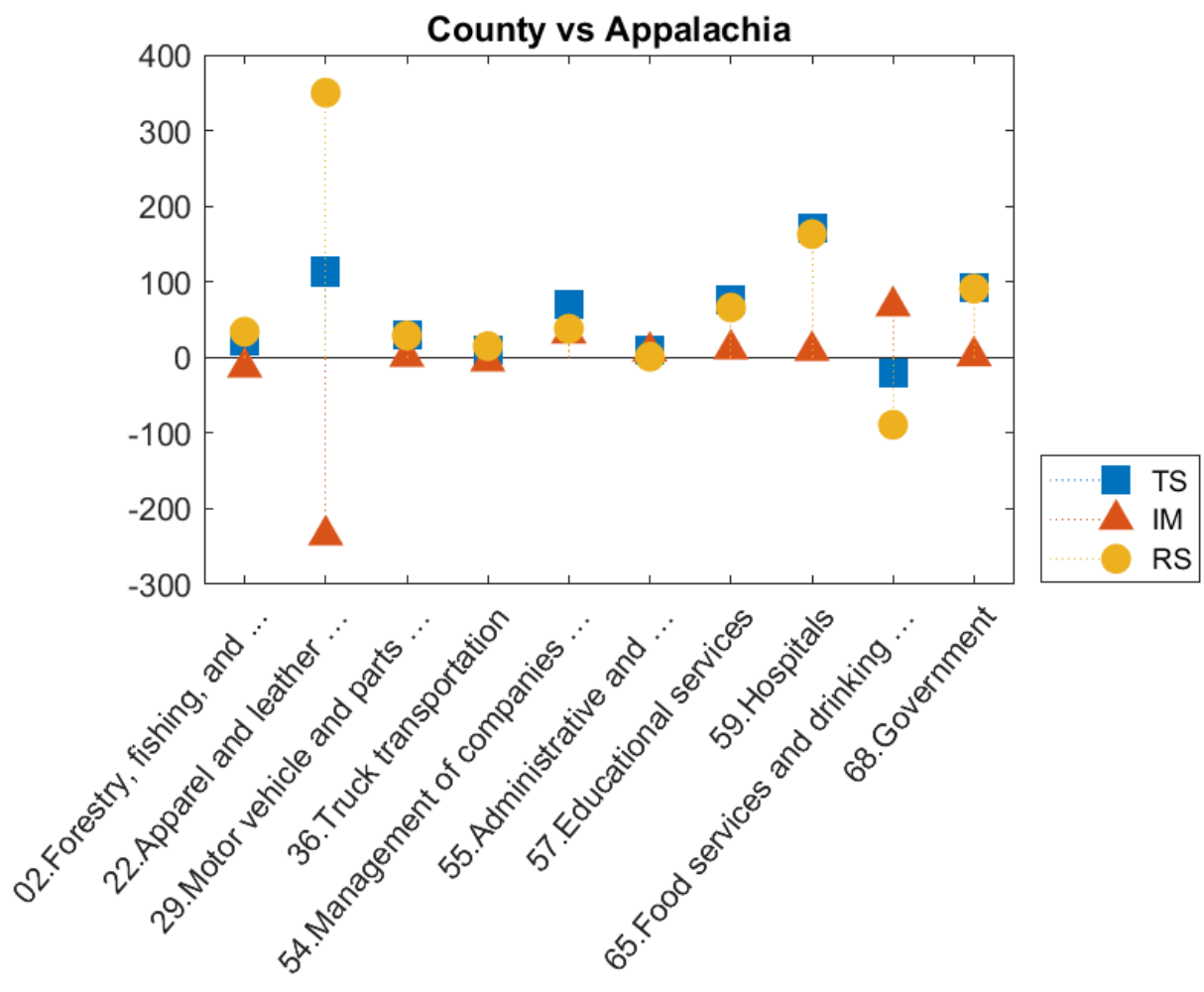


Chapter 23. Winston County, Mississippi

Winston County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	12	10	0	10	129
22	Apparel and leather ...	40	77	-198	275	471
29	Motor vehicle and parts ...	9	22	-5	27	110
36	Truck transportation	8	3	-3	6	83
54	Management of companies ...	7	63	15	48	133
55	Administrative and ...	7	2	1	1	71
57	Educational services	56	23	-10	33	572
59	Hospitals	15	157	8	149	309
65	Food services and drinking ...	38	-58	65	-123	320
68	Government	15	78	-10	88	222

Selected SSA Components for Winston County, Mississippi vs the Appalachian Region

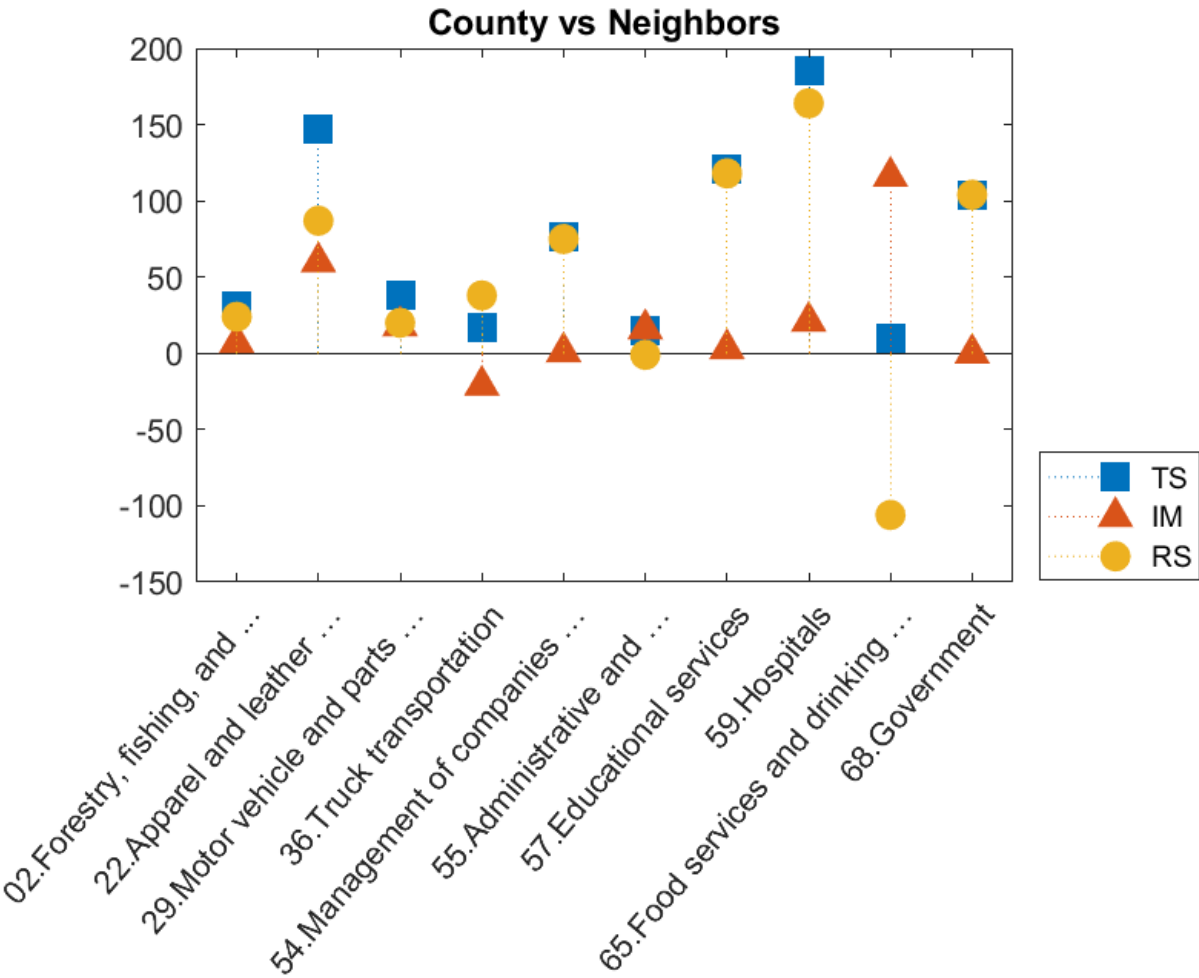


Chapter 23. Winston County, Mississippi

Selected SSA Components for Winston County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	0	21	-13	34	129
22	Apparel and leather ...	1	115	-235	350	471
29	Motor vehicle and parts ...	0	30	1	29	110
36	Truck transportation	0	10	-5	15	83
54	Management of companies ...	0	70	32	38	133
55	Administrative and ...	0	9	8	1	71
57	Educational services	2	77	11	66	572
59	Hospitals	0	172	9	163	309
65	Food services and drinking ...	1	-21	68	-89	320
68	Government	0	93	2	91	222

Selected SSA Components for Winston County, Mississippi vs Neighbors



Chapter 23. Winston County, Mississippi

Selected SSA Components for Winston County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
02	Forestry, fishing, and ...	-9	31	7	24	129
22	Apparel and leather ...	-31	147	60	87	471
29	Motor vehicle and parts ...	-7	38	18	20	110
36	Truck transportation	-6	17	-21	38	83
54	Management of companies ...	-5	76	1	75	133
55	Administrative and ...	-5	15	16	-1	71
57	Educational services	-43	121	3	118	572
59	Hospitals	-12	185	21	164	309
65	Food services and drinking ...	-30	10	116	-106	320
68	Government	-11	104	-0	104	222

Chapter 24. Yalobusha County, Mississippi

Employment in Yalobusha County, Mississippi, grew from 2,835 in 2005 to 2,915 in 2018, for a change of 80, or 2.82%. Readers should compare the employment values in the tables below to total county employment.

The first table shows the referent region share (NS), the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) job values for the county. The summary values shown represent sums of individual industry component values for all county industries. To be clear, the SSA components always refer to the county that is being compared to the referent region, and the NS label always refers to the county growth that would have taken place had it matched overall average growth in the referent region, which can be the United States, the Appalachian Region, or the county and its neighbors. The largest and smallest NS components in the summary table correspond to the fastest and slowest growing referent regions.

Summary Results for Yalobusha County, Mississippi

County Summary	NS	TS	IM	RS
vs. U.S.	321	-241	-62	-179
vs. Appalachia	7	75	165	-90
vs. Neighbors	132	-56	-275	219

The next table displays the group membership categories for industries belonging to any of the first three categories (signifying a positive total share value) for the Appalachian Region or the county relative to the United States — i.e., A, B, C, I, II, or III – and for the county relative to the Appalachian Region or its neighboring counties — i.e., a, b, c, i, ii, or iii. These are the industries that have passed the first screening step, as they have proven to be positive contributors to either the Appalachian Region in comparison to the United States as a whole, or to Yalobusha County, Mississippi, in comparison to at least one of the three referent regions.

Chapter 24. Yalobusha County, Mississippi

Industry Group Membership for Yalobusha County, Mississippi

Industry	Name	Group Membership	Type A or B or C	Type I or II or III	Type a or b or c	Type i or ii or iii
13	Machinery	F III c iii	no	yes	yes	yes
20	Food and beverage ...	E I a i	no	yes	yes	yes
31	General merchandise ...	F III c iii	no	yes	yes	yes
36	Truck transportation	F III c iii	no	yes	yes	yes
55	Administrative and ...	A I a i	yes	yes	yes	yes
57	Educational services	F III a i	no	yes	yes	yes
66	Other services, exc. gov ...	F III c i	no	yes	yes	yes

Notes:

Groups A, B, and C are from Appalachia vs. the United States

Groups I, II, and III are from Yalobusha County, Mississippi vs. the United States

Groups a, b, and c are from Yalobusha County, Mississippi vs. Appalachia

Groups i, ii, and iii are from Yalobusha County, Mississippi vs. its neighbors

Industry-Specific Results

Below we report the results for the three shift-share analyses comparing Yalobusha County, Mississippi, to each of three referent regions: the United States as a whole, the Appalachian Region, and the region defined by Yalobusha County, Mississippi, and its neighboring counties. The results for each of the three analyses are presented both visually and in tabular form.

The chart provides a visual display of the Total Share (TS), Industry Mix (IM), and Regional Shift (RS) components of change. The IM indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. So, a positive value here also means that the industry is growing more rapidly than the overall growth rate for the referent region. The RS component measures the actual employment change in the industry in Yalobusha County, Mississippi, after adjusting for overall referent-region and industry-specific growth rates. A positive value here reflects better than expected industry performance, which implies that Yalobusha County, Mississippi, might have a comparative advantage as a location for this industry. The tables also include the 2018 employment estimates for each reported industry.

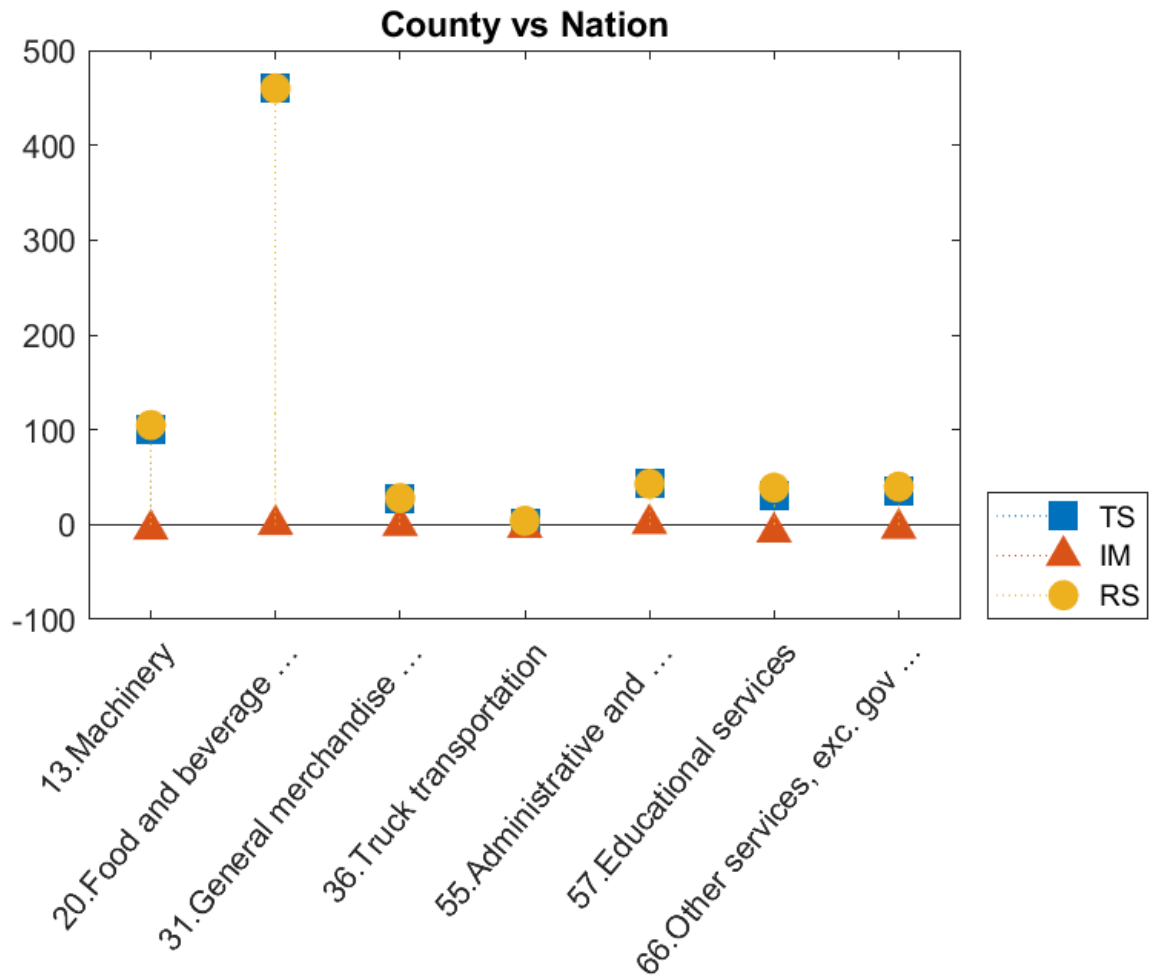
The TS component is the sum of the IM and RS components. A positive TS value also conveys a positive message, especially when both IM and RS are positive. When IM is positive but RS is negative, a positive TS indicates that although the county might not enjoy a regional comparative advantage, the industry in Yalobusha County, Mississippi, is still growing at a faster rate than the overall referent region average. Likewise, when IM is negative and RS is positive, the implication is that the regional comparative advantage is sufficiently strong to overcome the slower than average industry growth rate.

Interpreting Different Referent Region Results

The three SSA are conducted relative to three different referent regions: (1) the United States as a whole, (2) the Appalachian Region, and (3) the region defined by the county and its neighboring counties. As such, the IM component indicates the change in industry employment that would have occurred had the industry grown at a rate equal to the difference between the industry-specific growth rate in the referent region and the overall referent-region growth rate. Likewise, the regional shift components, RS, reflect county-specific industry comparative (dis)advantages relative to those same industries in each of the three referent regions. As before, the NS label always refers to county growth that would have occurred had the county industry grown at the overall average rate of growth in the referent region.

Reporting the results for each of three referent regions enables readers to compare county performance to the United States, the Appalachian Region, and the region defined by the county and its neighboring counties. Although economic growth in Appalachia overall and by industry generally lags the rest of the United States, positive SSA components can still be useful for identifying industries that are positive contributors relative to Appalachian Region and to the more localized economy.

Selected SSA Components for Yalobusha County, Mississippi vs the U.S.

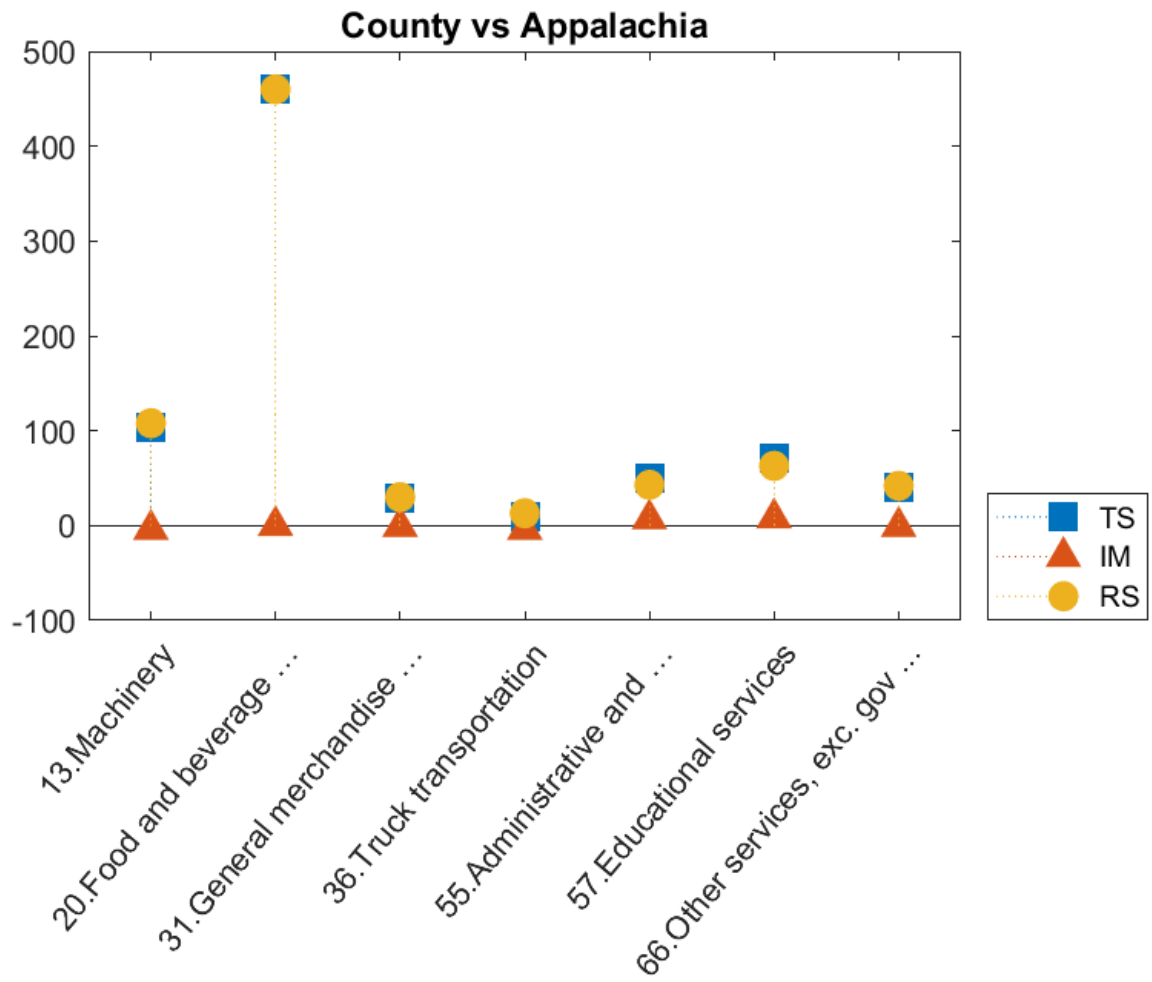


Chapter 24. Yalobusha County, Mississippi

Yalobusha County, Mississippi vs U.S. for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	3	100	-5	105	134
20	Food and beverage ...	0	460	0	460	460
31	General merchandise ...	3	27	-1	28	53
36	Truck transportation	8	1	-3	4	77
55	Administrative and ...	5	44	1	43	98
57	Educational services	41	31	-8	39	434
66	Other services, exc. gov ...	5	36	-4	40	87

**Selected SSA Components for Yalobusha County, Mississippi vs the
Appalachian Region**

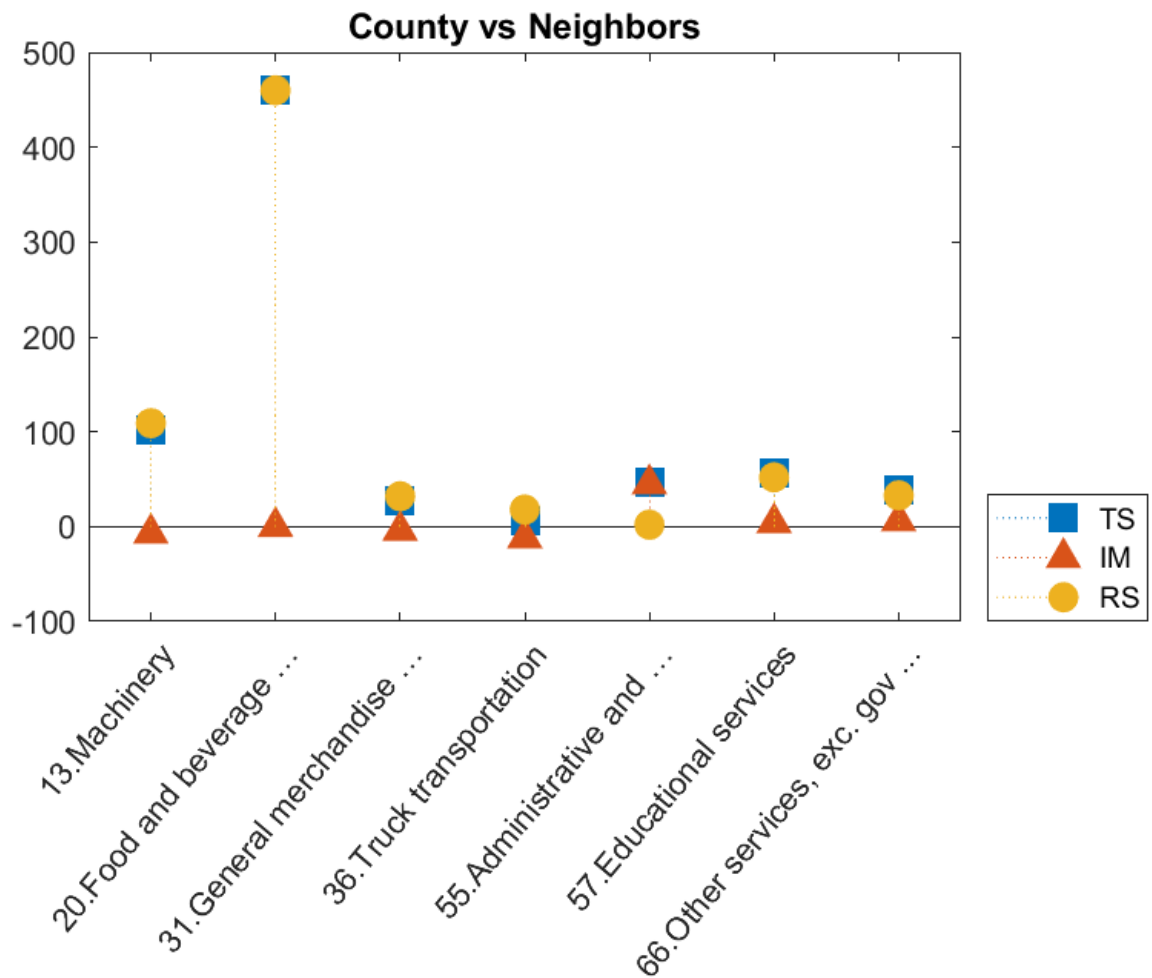


Chapter 24. Yalobusha County, Mississippi

Selected SSA Components for Yalobusha County, Mississippi vs the Appalachian Region

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	0	104	-4	108	134
20	Food and beverage ...	0	460	0	460	460
31	General merchandise ...	0	29	-1	30	53
36	Truck transportation	0	9	-4	13	77
55	Administrative and ...	0	50	7	43	98
57	Educational services	1	71	8	63	434
66	Other services, exc. gov ...	0	41	-1	42	87

Selected SSA Components for Yalobusha County, Mississippi vs Neighbors



Chapter 24. Yalobusha County, Mississippi

Selected SSA Components for Yalobusha County, Mississippi vs Neighbors for Selected Industries

Industry	Name	NS	TS	IM	RS	Employment 2018
13	Machinery	1	102	-7	109	134
20	Food and beverage ...	0	460	0	460	460
31	General merchandise ...	1	28	-4	32	53
36	Truck transportation	3	6	-12	18	77
55	Administrative and ...	2	47	45	2	98
57	Educational services	17	56	4	52	434
66	Other services, exc. gov ...	2	39	6	33	87